

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014551.D
 Acq On : 03 Jul 2023 21:28
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 04 03:07:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/07/2023
 Supervised By :Semsettin Yesilyurt 07/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	384587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	568449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	531612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	284555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	188666	49.314	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.620%		
35) Dibromofluoromethane	7.716	113	185848	53.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.180%		
50) Toluene-d8	10.179	98	713856	51.586	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.180%		
62) 4-Bromofluorobenzene	12.477	95	253328	52.720	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	123550	44.325	ug/l	100
3) Chloromethane	2.107	50	186919	41.966	ug/l	96
4) Vinyl Chloride	2.247	62	230244	44.847	ug/l	97
5) Bromomethane	2.638	94	195658	49.148	ug/l	100
6) Chloroethane	2.784	64	150254	45.453	ug/l	97
7) Trichlorofluoromethane	3.113	101	291679	46.779	ug/l	100
8) Diethyl Ether	3.528	74	110645	46.865	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.887	101	171380	46.026	ug/l	96
10) Methyl Iodide	4.082	142	167901	39.514	ug/l	91
11) Tert butyl alcohol	4.948	59	178523	270.927	ug/l #	87
12) 1,1-Dichloroethene	3.863	96	167819	46.523	ug/l	84
13) Acrolein	3.723	56	95598	188.268	ug/l	100
14) Allyl chloride	4.473	41	236335	43.468	ug/l #	85
15) Acrylonitrile	5.155	53	320539	236.501	ug/l	98
16) Acetone	3.942	43	243083	203.456	ug/l #	86
17) Carbon Disulfide	4.186	76	493669	44.909	ug/l	98
18) Methyl Acetate	4.473	43	251876	46.311	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	504955	48.706	ug/l	100
20) Methylene Chloride	4.710	84	231116	53.989	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	193896	47.487	ug/l	92
22) Diisopropyl ether	6.119	45	518666	46.296	ug/l #	85
23) Vinyl Acetate	6.058	43	1517075	234.055	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	322931	45.916	ug/l	97
25) 2-Butanone	6.978	43	403395	228.026	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	239361	39.929	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	223555	48.266	ug/l	88
28) Bromochloromethane	7.332	49	135527	45.891	ug/l #	77
29) Tetrahydrofuran	7.344	42	274855	240.871	ug/l #	83
30) Chloroform	7.502	83	346309	47.203	ug/l	96
31) Cyclohexane	7.783	56	260509	43.402	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	291148	46.427	ug/l	96
36) 1,1-Dichloropropene	7.917	75	251603	46.934	ug/l	97
37) Ethyl Acetate	7.070	43	170052	46.255	ug/l #	89
38) Carbon Tetrachloride	7.899	117	265856	47.507	ug/l	99
39) Methylcyclohexane	9.179	83	311373	48.594	ug/l	94
40) Benzene	8.155	78	769146	47.399	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	81403m	45.323	ug/l	
42) 1,2-Dichloroethane	8.234	62	222563	46.663	ug/l	93
43) Isopropyl Acetate	8.271	43	295016	47.352	ug/l #	89
44) Trichloroethene	8.935	130	220606	48.764	ug/l	96
45) 1,2-Dichloropropane	9.209	63	194308	46.677	ug/l	98
46) Dibromomethane	9.301	93	123921	48.898	ug/l	93
47) Bromodichloromethane	9.496	83	269848	48.326	ug/l	98
48) Methyl methacrylate	9.289	41	134512	47.477	ug/l #	76
49) 1,4-Dioxane	9.295	88	48917	1080.937	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	885399	240.045	ug/l #	87
52) Toluene	10.240	92	495807	48.553	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	281548	47.151	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	313568	47.066	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	181780	49.295	ug/l	98
56) Ethyl methacrylate	10.508	69	252929	50.422	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	289427	48.170	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	614044	252.678	ug/l	94
59) 2-Hexanone	10.831	43	645845	242.397	ug/l	84
60) Dibromochloromethane	10.984	129	214516	49.645	ug/l	99
61) 1,2-Dibromoethane	11.087	107	179186	49.772	ug/l	99
64) Tetrachloroethene	10.715	164	236935	49.857	ug/l	95
65) Chlorobenzene	11.514	112	549408	48.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	210880	48.974	ug/l	98
67) Ethyl Benzene	11.587	91	942146	48.766	ug/l	97
68) m/p-Xylenes	11.703	106	749863	97.849	ug/l	92
69) o-Xylene	12.026	106	359480	49.457	ug/l	93
70) Styrene	12.038	104	625851	50.047	ug/l	95
71) Bromoform	12.209	173	164711	50.350	ug/l	99
73) Isopropylbenzene	12.325	105	925982	49.687	ug/l	99
74) N-amyl acetate	12.142	43	263962	46.930	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	231624	48.432	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	162923m	48.792	ug/l	
77) Bromobenzene	12.605	156	253667	49.835	ug/l	92
78) n-propylbenzene	12.666	91	1111332	48.886	ug/l	98
79) 2-Chlorotoluene	12.752	91	637364	48.717	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	786356	49.842	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	78351	45.671	ug/l #	85
82) 4-Chlorotoluene	12.849	91	662692	48.350	ug/l	96
83) tert-Butylbenzene	13.075	119	693336	50.004	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	783157	49.745	ug/l	97
85) sec-Butylbenzene	13.251	105	1010623	49.394	ug/l	99
86) p-Isopropyltoluene	13.367	119	866649	50.332	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	487254	48.959	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	482015	48.327	ug/l	98
89) n-Butylbenzene	13.696	91	786310	49.414	ug/l	97
90) Hexachloroethane	13.959	117	163274	47.870	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	446956	49.580	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	42369	48.390	ug/l	78
93) 1,2,4-Trichlorobenzene	15.001	180	294534	50.584	ug/l	99
94) Hexachlorobutadiene	15.111	225	184738	51.623	ug/l	99
95) Naphthalene	15.233	128	646567	52.193	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	272489	51.361	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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