

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015159.D
 Acq On : 16 Aug 2023 18:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/17/2023
 Supervised By :Mahesh Dadoda 08/17/2023

Quant Time: Aug 17 05:33:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	178726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	300666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	273646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116441	54.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.540%			
35) Dibromofluoromethane	7.716	113	101979	52.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.440%			
50) Toluene-d8	10.179	98	373950	51.934	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.477	95	132445	50.360	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	36625	47.612	ug/l	99
3) Chloromethane	2.113	50	55387	52.047	ug/l	98
4) Vinyl Chloride	2.247	62	67698	47.602	ug/l	95
5) Bromomethane	2.637	94	57651	59.430	ug/l	100
6) Chloroethane	2.784	64	53276	51.597	ug/l	98
7) Trichlorofluoromethane	3.119	101	116427	48.584	ug/l	97
8) Diethyl Ether	3.521	74	47570	50.615	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	73129	49.101	ug/l	94
10) Methyl Iodide	4.082	142	62165	42.508	ug/l	98
11) Tert butyl alcohol	4.960	59	88414	250.329	ug/l #	82
12) 1,1-Dichloroethene	3.863	96	59827	48.106	ug/l	91
13) Acrolein	3.723	56	26688	180.838	ug/l	98
14) Allyl chloride	4.472	41	108176	49.061	ug/l	98
15) Acrylonitrile	5.155	53	169542	266.195	ug/l	100
16) Acetone	3.942	43	161369	230.238	ug/l	98
17) Carbon Disulfide	4.186	76	103251	47.175	ug/l	99
18) Methyl Acetate	4.472	43	149396	58.166	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	265240	50.159	ug/l	100
20) Methylene Chloride	4.710	84	94649	56.921	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	69882	49.816	ug/l	98
22) Diisopropyl ether	6.118	45	276033	50.170	ug/l	91
23) Vinyl Acetate	6.058	43	776947	236.661	ug/l	96
24) 1,1-Dichloroethane	6.015	63	152052	51.047	ug/l	97
25) 2-Butanone	6.984	43	249852	251.772	ug/l	97
26) 2,2-Dichloropropane	6.978	77	122011	42.490	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	97332	50.793	ug/l	94
28) Bromochloromethane	7.332	49	65255	47.683	ug/l	94
29) Tetrahydrofuran	7.344	42	154751	260.794	ug/l	93
30) Chloroform	7.502	83	172119	51.545	ug/l	97
31) Cyclohexane	7.783	56	96454	50.350	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	141478	49.790	ug/l	99
36) 1,1-Dichloropropene	7.917	75	103738	48.477	ug/l	100
37) Ethyl Acetate	7.070	43	97726	48.993	ug/l	97
38) Carbon Tetrachloride	7.899	117	121494	47.972	ug/l	96
39) Methylcyclohexane	9.179	83	112822	47.030	ug/l	94
40) Benzene	8.155	78	320082	49.473	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	53307m	51.827	ug/l	
42) 1,2-Dichloroethane	8.234	62	117715	50.099	ug/l	95
43) Isopropyl Acetate	8.271	43	176002	48.453	ug/l	97
44) Trichloroethene	8.941	130	91676	49.184	ug/l	96
45) 1,2-Dichloropropane	9.216	63	91239	50.011	ug/l	95
46) Dibromomethane	9.307	93	58197	50.578	ug/l	97
47) Bromodichloromethane	9.496	83	138108	50.299	ug/l	96
48) Methyl methacrylate	9.295	41	79921	51.433	ug/l	94
49) 1,4-Dioxane	9.295	88	23992	1042.721	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	543791	258.307	ug/l	94
52) Toluene	10.246	92	210139	49.278	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	135681	47.020	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	144705	47.616	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	88142	50.379	ug/l	99
56) Ethyl methacrylate	10.508	69	126452	49.386	ug/l	91
57) 1,3-Dichloropropane	10.788	76	141769	49.597	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	293034	245.918	ug/l	95
59) 2-Hexanone	10.831	43	395733	253.988	ug/l	93
60) Dibromochloromethane	10.983	129	105804	50.696	ug/l	99
61) 1,2-Dibromoethane	11.087	107	81551	49.067	ug/l	99
64) Tetrachloroethene	10.721	164	103911	54.504	ug/l	95
65) Chlorobenzene	11.514	112	242808	48.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	102366	50.600	ug/l	98
67) Ethyl Benzene	11.593	91	420806	48.171	ug/l	99
68) m/p-Xylenes	11.703	106	320781	96.684	ug/l	96
69) o-Xylene	12.026	106	159879	48.372	ug/l	99
70) Styrene	12.044	104	282976	49.467	ug/l	97
71) Bromoform	12.209	173	72580	49.491	ug/l #	97
73) Isopropylbenzene	12.331	105	433292	46.861	ug/l	100
74) N-amyl acetate	12.142	43	156512	46.882	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	116487	48.372	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	87587m	50.136	ug/l	
77) Bromobenzene	12.605	156	108049	47.940	ug/l	98
78) n-propylbenzene	12.672	91	518535	47.226	ug/l	99
79) 2-Chlorotoluene	12.758	91	298549	47.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	363956	47.221	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	35307	44.392	ug/l	98
82) 4-Chlorotoluene	12.855	91	313113	47.848	ug/l	100
83) tert-Butylbenzene	13.075	119	331341	47.000	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	368582	47.857	ug/l	99
85) sec-Butylbenzene	13.251	105	493220	47.749	ug/l	100
86) p-Isopropyltoluene	13.367	119	412298	48.143	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	215026	48.101	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	217603	48.532	ug/l	98
89) n-Butylbenzene	13.696	91	382175	47.330	ug/l	97
90) Hexachloroethane	13.959	117	79824	46.984	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	205721	49.261	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22905	49.099	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	125580	46.840	ug/l	98
94) Hexachlorobutadiene	15.111	225	67446	46.248	ug/l	97
95) Naphthalene	15.233	128	316793	47.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	116410	48.078	ug/l	99

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

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