

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015161.D
 Acq On : 17 Aug 2023 09:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/18/2023
 Supervised By :Mahesh Dadoda 08/18/2023

Quant Time: Aug 18 00:49:21 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	177883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	293004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	119046	55.751	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.500%			
35) Dibromofluoromethane	7.716	113	107470	57.013	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.020%			
50) Toluene-d8	10.179	98	393971	56.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.280%			
62) 4-Bromofluorobenzene	12.483	95	142818	55.724	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37226	48.742	ug/l	97
3) Chloromethane	2.113	50	58280	55.262	ug/l	100
4) Vinyl Chloride	2.247	62	70795	50.015	ug/l	100
5) Bromomethane	2.637	94	58443	60.753	ug/l	96
6) Chloroethane	2.784	64	55135	53.650	ug/l	95
7) Trichlorofluoromethane	3.119	101	119290	50.015	ug/l	100
8) Diethyl Ether	3.527	74	48620	51.978	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	73233	49.404	ug/l	96
10) Methyl Iodide	4.088	142	71414	49.063	ug/l	99
11) Tert butyl alcohol	4.948	59	92204	263.125	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	61234	49.471	ug/l	91
13) Acrolein	3.729	56	29741	209.398	ug/l	98
14) Allyl chloride	4.472	41	111631	50.867	ug/l	97
15) Acrylonitrile	5.155	53	161774	255.203	ug/l	98
16) Acetone	3.942	43	203102	291.155	ug/l	94
17) Carbon Disulfide	4.192	76	106027	48.673	ug/l	97
18) Methyl Acetate	4.472	43	128042	50.088	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	269392	51.186	ug/l	99
20) Methylene Chloride	4.704	84	91367	55.065	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	71724	51.371	ug/l	94
22) Diisopropyl ether	6.118	45	291171	53.172	ug/l #	90
23) Vinyl Acetate	6.057	43	845761	258.843	ug/l	96
24) 1,1-Dichloroethane	6.009	63	156682	52.850	ug/l	98
25) 2-Butanone	6.984	43	264141	267.432	ug/l	95
26) 2,2-Dichloropropane	6.978	77	146364	51.213	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	99965	52.414	ug/l	97
28) Bromochloromethane	7.332	49	69347	50.914	ug/l	93
29) Tetrahydrofuran	7.344	42	146394	247.880	ug/l	94
30) Chloroform	7.502	83	177548	53.423	ug/l	97
31) Cyclohexane	7.783	56	96818	50.803	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	147546	52.172	ug/l	99
36) 1,1-Dichloropropene	7.917	75	107133	51.373	ug/l	99
37) Ethyl Acetate	7.069	43	95375	49.065	ug/l	97
38) Carbon Tetrachloride	7.899	117	125094	50.685	ug/l	99
39) Methylcyclohexane	9.185	83	113223	48.431	ug/l	93
40) Benzene	8.161	78	334735	53.091	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	52657m	52.534	ug/l	
42) 1,2-Dichloroethane	8.234	62	118958	51.951	ug/l	95
43) Isopropyl Acetate	8.270	43	177074	50.023	ug/l	98
44) Trichloroethene	8.941	130	92618	50.989	ug/l	100
45) 1,2-Dichloropropane	9.215	63	94412	53.103	ug/l	98
46) Dibromomethane	9.301	93	59188	52.784	ug/l	96
47) Bromodichloromethane	9.496	83	143500	53.629	ug/l	98
48) Methyl methacrylate	9.295	41	80228	52.981	ug/l	96
49) 1,4-Dioxane	9.295	88	22025	982.264	ug/l #	66
51) 4-Methyl-2-Pentanone	10.069	43	522680	254.772	ug/l	95
52) Toluene	10.246	92	220623	53.090	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	146362	52.048	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	157153	53.064	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	89225	52.332	ug/l	97
56) Ethyl methacrylate	10.508	69	127574	51.127	ug/l	91
57) 1,3-Dichloropropane	10.788	76	146783	52.694	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	291429	250.966	ug/l	95
59) 2-Hexanone	10.831	43	399600	263.176	ug/l	93
60) Dibromochloromethane	10.983	129	108066	53.134	ug/l	100
61) 1,2-Dibromoethane	11.087	107	81677	50.427	ug/l	98
64) Tetrachloroethene	10.721	164	97234	51.911	ug/l	97
65) Chlorobenzene	11.520	112	257402	52.546	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	105607	53.133	ug/l	99
67) Ethyl Benzene	11.593	91	442913	51.605	ug/l	100
68) m/p-Xylenes	11.703	106	337300	103.475	ug/l	96
69) o-Xylene	12.032	106	168433	51.869	ug/l	98
70) Styrene	12.044	104	298133	53.046	ug/l	96
71) Bromoform	12.209	173	74239	51.525	ug/l #	99
73) Isopropylbenzene	12.331	105	453869	50.319	ug/l	99
74) N-amyl acetate	12.142	43	164127	50.399	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	118663	50.513	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	93257m	54.723	ug/l	
77) Bromobenzene	12.611	156	112386	51.117	ug/l	97
78) n-propylbenzene	12.672	91	549596	51.312	ug/l	99
79) 2-Chlorotoluene	12.757	91	316244	51.182	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	385618	51.288	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	38144	49.163	ug/l	99
82) 4-Chlorotoluene	12.855	91	331242	51.890	ug/l	99
83) tert-Butylbenzene	13.074	119	346392	50.369	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	387842	51.623	ug/l	99
85) sec-Butylbenzene	13.251	105	517203	51.329	ug/l	100
86) p-Isopropyltoluene	13.367	119	432794	51.806	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	225615	51.737	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	228439	52.228	ug/l	99
89) n-Butylbenzene	13.696	91	407350	51.715	ug/l	97
90) Hexachloroethane	13.958	117	85359	51.504	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	214250	52.592	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21535	47.322	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	130925	50.060	ug/l	99
94) Hexachlorobutadiene	15.111	225	69425	48.801	ug/l	98
95) Naphthalene	15.239	128	308303	47.322	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	118041	49.976	ug/l	98

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

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