

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
 Data File : VD078817.D
 Acq On : 16 Apr 2024 10:44
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/17/2024
 Supervised By :Semsettin Yesilyurt 04/17/2024

Quant Time: Apr 16 22:29:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	134211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	216392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	202295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63780	50.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.420%			
35) Dibromofluoromethane	7.805	113	73183	52.527	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.060%			
50) Toluene-d8	10.269	98	291750	56.939	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.880%			
62) 4-Bromofluorobenzene	12.569	95	83165	55.479	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.960%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	63237	50.625	ug/l	100
3) Chloromethane	2.152	50	103828	52.644	ug/l	99
4) Vinyl Chloride	2.287	62	149736	51.465	ug/l	96
5) Bromomethane	2.693	94	135189	48.530	ug/l	99
6) Chloroethane	2.840	64	120259	53.002	ug/l	96
7) Trichlorofluoromethane	3.175	101	126840	55.107	ug/l	95
8) Diethyl Ether	3.593	74	35260	52.468	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.964	101	68725	47.576	ug/l	99
10) Methyl Iodide	4.169	142	71272	41.711	ug/l	97
11) Tert butyl alcohol	5.052	59	15490	275.188	ug/l #	91
12) 1,1-Dichloroethene	3.940	96	72153	52.544	ug/l	83
13) Acrolein	3.793	56	35311	400.462	ug/l	98
14) Allyl chloride	4.558	41	79468	51.864	ug/l	98
15) Acrylonitrile	5.246	53	69583	256.849	ug/l	97
16) Acetone	4.017	43	64627	265.714	ug/l	90
17) Carbon Disulfide	4.275	76	224228	49.809	ug/l	97
18) Methyl Acetate	4.558	43	25278	48.428	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	144134	52.047	ug/l	95
20) Methylene Chloride	4.799	84	79682	47.843	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	76851	47.429	ug/l	99
22) Diisopropyl ether	6.216	45	179595	51.553	ug/l	95
23) Vinyl Acetate	6.152	43	556105	272.903	ug/l	100
24) 1,1-Dichloroethane	6.105	63	124937	47.835	ug/l	98
25) 2-Butanone	7.075	43	83081	256.928	ug/l	97
26) 2,2-Dichloropropane	7.075	77	108880	49.272	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	87996	47.614	ug/l	97
28) Bromochloromethane	7.422	49	51407	55.207	ug/l	99
29) Tetrahydrofuran	7.440	42	47788	271.710	ug/l	99
30) Chloroform	7.593	83	135439	46.508	ug/l	100
31) Cyclohexane	7.881	56	101242	47.889	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	117787	47.672	ug/l	100
36) 1,1-Dichloropropene	8.005	75	96859	47.915	ug/l	99
37) Ethyl Acetate	7.169	43	33393	50.565	ug/l	99
38) Carbon Tetrachloride	7.993	117	109068	51.179	ug/l	97
39) Methylcyclohexane	9.275	83	117469	50.093	ug/l	98
40) Benzene	8.252	78	310778	50.858	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	16337	47.206	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	73860	49.563	ug/l	98
43) Isopropyl Acetate	8.357	43	64865	54.009	ug/l	96
44) Trichloroethene	9.028	130	75927	45.785	ug/l	90
45) 1,2-Dichloropropane	9.304	63	69507	47.950	ug/l	100
46) Dibromomethane	9.393	93	41507	47.767	ug/l	98
47) Bromodichloromethane	9.587	83	103787	50.172	ug/l	95
48) Methyl methacrylate	9.381	41	30844	52.708	ug/l	99
49) 1,4-Dioxane	9.387	88	9042	1123.848	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	176086	280.448	ug/l	98
52) Toluene	10.334	92	200057	50.851	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	92428	48.869	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	110057	48.405	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	55810	47.962	ug/l	94
56) Ethyl methacrylate	10.599	69	65778	56.388	ug/l	96
57) 1,3-Dichloropropane	10.875	76	91066	48.501	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	134755	261.984	ug/l	99
59) 2-Hexanone	10.922	43	131525	282.577	ug/l	98
60) Dibromochloromethane	11.075	129	75279	52.458	ug/l	100
61) 1,2-Dibromoethane	11.181	107	53731	47.714	ug/l	99
64) Tetrachloroethene	10.810	164	65422	48.870	ug/l	95
65) Chlorobenzene	11.604	112	219173	51.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	75254	48.608	ug/l	99
67) Ethyl Benzene	11.681	91	372176	51.665	ug/l	98
68) m/p-Xylenes	11.793	106	302330	103.354	ug/l	99
69) o-Xylene	12.122	106	135743	50.155	ug/l	95
70) Styrene	12.134	104	245080	53.950	ug/l	99
71) Bromoform	12.298	173	41525	49.632	ug/l #	98
73) Isopropylbenzene	12.422	105	355389	49.147	ug/l	98
74) N-amyl acetate	12.234	43	64539	54.972	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	62621	46.781	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	39907m	47.163	ug/l	
77) Bromobenzene	12.698	156	84229	46.969	ug/l	96
78) n-propylbenzene	12.763	91	425902	48.388	ug/l	99
79) 2-Chlorotoluene	12.851	91	230018	47.637	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	288070	48.175	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	21948	54.372	ug/l	97
82) 4-Chlorotoluene	12.945	91	249505	48.853	ug/l	98
83) tert-Butylbenzene	13.163	119	257264	49.896	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	296308	49.171	ug/l	97
85) sec-Butylbenzene	13.345	105	381830	48.936	ug/l	98
86) p-Isopropyltoluene	13.463	119	330207	49.435	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	179085	47.323	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	172474	46.246	ug/l	99
89) n-Butylbenzene	13.787	91	296176	49.096	ug/l	99
90) Hexachloroethane	14.051	117	64626	46.758	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	154241	47.324	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9098	50.807	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	88516	46.535	ug/l	97
94) Hexachlorobutadiene	15.198	225	45626	44.307	ug/l	98
95) Naphthalene	15.334	128	165294	49.982	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	78069	47.442	ug/l	98

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

