

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122822\
 Data File : VD075059.D
 Acq On : 28 Dec 2022 11:30
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/29/2022
 Supervised By :Mahesh Dadoda 12/29/2022

Quant Time: Dec 29 03:45:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 23 05:54:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	128351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	225701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	193027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	80307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64458	51.378	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.760%			
35) Dibromofluoromethane	7.804	113	70051	52.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.480%			
50) Toluene-d8	10.269	98	269437	50.209	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.420%			
62) 4-Bromofluorobenzene	12.575	95	85446	49.150	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	31682	51.437	ug/l	97
3) Chloromethane	2.146	50	54128	52.402	ug/l	99
4) Vinyl Chloride	2.281	62	55196	51.855	ug/l	98
5) Bromomethane	2.687	94	25495	56.129	ug/l	99
6) Chloroethane	2.834	64	36482	54.134	ug/l	95
7) Trichlorofluoromethane	3.169	101	81592	49.947	ug/l	99
8) Diethyl Ether	3.593	74	31681	50.577	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.969	101	58737	51.034	ug/l	98
10) Methyl Iodide	4.157	142	42581	43.099	ug/l	95
11) Tert butyl alcohol	5.057	59	21649	226.556	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	54826	49.301	ug/l	87
13) Acrolein	3.793	56	33322	220.616	ug/l	97
14) Allyl chloride	4.557	41	100080	51.718	ug/l #	91
15) Acrylonitrile	5.252	53	78932	248.854	ug/l	99
16) Acetone	4.022	43	89495	274.657	ug/l	94
17) Carbon Disulfide	4.269	76	103443	49.685	ug/l	98
18) Methyl Acetate	4.563	43	36128	47.275	ug/l #	88
19) Methyl tert-butyl Ether	5.316	73	148972	50.434	ug/l	100
20) Methylene Chloride	4.799	84	70084	48.322	ug/l #	83
21) trans-1,2-Dichloroethene	5.310	96	60330	48.883	ug/l	91
22) Diisopropyl ether	6.216	45	210109	50.405	ug/l #	94
23) Vinyl Acetate	6.152	43	520427	276.072	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	123184	50.597	ug/l	95
25) 2-Butanone	7.081	43	108424	249.349	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	110731	50.913	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	77971	50.083	ug/l	90
28) Bromochloromethane	7.428	49	41827	49.630	ug/l	82
29) Tetrahydrofuran	7.446	42	58728	234.270	ug/l #	85
30) Chloroform	7.593	83	124496	52.369	ug/l	100
31) Cyclohexane	7.875	56	89009	50.165	ug/l	89
32) 1,1,1-Trichloroethane	7.787	97	105095	51.088	ug/l	96
36) 1,1-Dichloropropene	8.010	75	84835	49.452	ug/l	98
37) Ethyl Acetate	7.169	43	41673	48.089	ug/l	96
38) Carbon Tetrachloride	7.987	117	81452	54.910	ug/l	98
39) Methylcyclohexane	9.269	83	100914	48.437	ug/l	94
40) Benzene	8.251	78	260435	49.865	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	25424	47.154	ug/l	90
42) 1,2-Dichloroethane	8.328	62	69994	52.528	ug/l	97
43) Isopropyl Acetate	8.357	43	84565	48.508	ug/l #	90
44) Trichloroethene	9.028	130	71485	49.693	ug/l	95
45) 1,2-Dichloropropane	9.304	63	71176	50.879	ug/l	95
46) Dibromomethane	9.393	93	34348	49.369	ug/l	99
47) Bromodichloromethane	9.587	83	93008	51.332	ug/l	98
48) Methyl methacrylate	9.381	41	36390	45.955	ug/l	86
49) 1,4-Dioxane	9.387	88	9098	1037.648	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	211004	245.014	ug/l	91
52) Toluene	10.334	92	162126	48.747	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	89076	50.530	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	108452	51.052	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	51681	50.728	ug/l	97
56) Ethyl methacrylate	10.598	69	65470	48.819	ug/l #	77
57) 1,3-Dichloropropane	10.881	76	88202	51.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	137270	249.373	ug/l	94
59) 2-Hexanone	10.922	43	159457	254.621	ug/l	91
60) Dibromochloromethane	11.075	129	60647	51.961	ug/l	99
61) 1,2-Dibromoethane	11.181	107	46251	50.638	ug/l	97
64) Tetrachloroethene	10.810	164	55639	49.244	ug/l	97
65) Chlorobenzene	11.610	112	177345	50.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	63117	51.700	ug/l	98
67) Ethyl Benzene	11.687	91	318023	49.288	ug/l	98
68) m/p-Xylenes	11.792	106	239209	97.781	ug/l	99
69) o-Xylene	12.122	106	116384	49.457	ug/l	98
70) Styrene	12.134	104	196899	49.768	ug/l	97
71) Bromoform	12.298	173	32753	49.447	ug/l #	99
73) Isopropylbenzene	12.422	105	316781	51.450	ug/l	99
74) N-amyl acetate	12.234	43	75608	48.380	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.675	83	55358	50.422	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	40069m	48.661	ug/l	
77) Bromobenzene	12.704	156	69178	52.636	ug/l	96
78) n-propylbenzene	12.763	91	380021	50.391	ug/l	100
79) 2-Chlorotoluene	12.851	91	205184	49.801	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	248959	50.140	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	16915	47.610	ug/l	92
82) 4-Chlorotoluene	12.945	91	205316	48.841	ug/l	98
83) tert-Butylbenzene	13.169	119	224612	51.099	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	241493	50.003	ug/l	100
85) sec-Butylbenzene	13.345	105	339750	50.343	ug/l	100
86) p-Isopropyltoluene	13.463	119	267732	49.729	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	131560	51.233	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	132351	51.598	ug/l	98
89) n-Butylbenzene	13.786	91	266375	49.538	ug/l	100
90) Hexachloroethane	14.057	117	49084	51.306	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	116773	51.465	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	8328	49.363	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	78921	52.936	ug/l	96
94) Hexachlorobutadiene	15.204	225	37335	50.094	ug/l	98
95) Naphthalene	15.333	128	160138	51.462	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	67117	52.455	ug/l	96

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

