

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032224\
 Data File : VD078735.D
 Acq On : 22 Mar 2024 11:41
 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 :Semsettin Yesilyurt 03/25/2024
 Supervised By :Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 23:17:23 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	143383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	239378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	223354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	114213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	61040	45.426	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.860%		
35) Dibromofluoromethane	7.810	113	72474	47.023	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.040%		
50) Toluene-d8	10.269	98	262563	46.322	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.640%		
62) 4-Bromofluorobenzene	12.575	95	78322	47.232	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.940	85	64103	48.036	ug/l	98
3) Chloromethane	2.152	50	90456	42.930	ug/l	99
4) Vinyl Chloride	2.293	62	133208	42.856	ug/l	92
5) Bromomethane	2.699	94	126937	42.653	ug/l	97
6) Chloroethane	2.846	64	104489	43.106	ug/l	98
7) Trichlorofluoromethane	3.181	101	122443	49.793	ug/l	98
8) Diethyl Ether	3.599	74	35971	50.102	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.975	101	74617	48.350	ug/l	97
10) Methyl Iodide	4.169	142	97662	53.499	ug/l	99
11) Tert butyl alcohol	5.046	59	15127	251.549	ug/l	98
12) 1,1-Dichloroethene	3.946	96	73042	49.788	ug/l	87
13) Acrolein	3.805	56	12732	135.157	ug/l	98
14) Allyl chloride	4.569	41	79283	48.433	ug/l	98
15) Acrylonitrile	5.258	53	75425	260.603	ug/l	99
16) Acetone	4.022	43	67599	260.154	ug/l	94
17) Carbon Disulfide	4.281	76	219429	45.625	ug/l	98
18) Methyl Acetate	4.564	43	31360	56.237	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	155138	52.437	ug/l	94
20) Methylene Chloride	4.805	84	88084	49.693	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	88028	50.852	ug/l	97
22) Diisopropyl ether	6.216	45	190649	51.226	ug/l	97
23) Vinyl Acetate	6.158	43	559049	256.798	ug/l	96
24) 1,1-Dichloroethane	6.116	63	139168	49.875	ug/l	98
25) 2-Butanone	7.081	43	85491	247.468	ug/l	97
26) 2,2-Dichloropropane	7.075	77	120206	50.918	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	98933	50.108	ug/l	98
28) Bromochloromethane	7.428	49	55380	55.670	ug/l	96
29) Tetrahydrofuran	7.446	42	50018	266.197	ug/l	100
30) Chloroform	7.599	83	151459	48.683	ug/l	98
31) Cyclohexane	7.887	56	105483	46.704	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	130659	49.499	ug/l	97
36) 1,1-Dichloropropene	8.010	75	115437	51.621	ug/l	99
37) Ethyl Acetate	7.169	43	34171	46.775	ug/l	99
38) Carbon Tetrachloride	7.993	117	119165	50.547	ug/l	92
39) Methylcyclohexane	9.275	83	128973	49.718	ug/l	99
40) Benzene	8.252	78	338960	50.143	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	20760	54.227	ug/l	91
42) 1,2-Dichloroethane	8.328	62	82358	49.959	ug/l	99
43) Isopropyl Acetate	8.363	43	66606	50.134	ug/l	99
44) Trichloroethene	9.028	130	90731	49.458	ug/l	99
45) 1,2-Dichloropropane	9.305	63	81294	50.696	ug/l	94
46) Dibromomethane	9.399	93	47000	48.894	ug/l	100
47) Bromodichloromethane	9.587	83	116218	50.787	ug/l	94
48) Methyl methacrylate	9.381	41	34411	53.157	ug/l	95
49) 1,4-Dioxane	9.381	88	8659	972.899	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	180506	259.882	ug/l	99
52) Toluene	10.334	92	225534	51.822	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	105889	50.610	ug/l	95
54) cis-1,3-Dichloropropene	10.022	75	129933	51.659	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	65438	50.836	ug/l	95
56) Ethyl methacrylate	10.599	69	69900	54.168	ug/l	98
57) 1,3-Dichloropropane	10.881	76	105273	50.684	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	142705	250.799	ug/l	99
59) 2-Hexanone	10.922	43	134616	261.447	ug/l	99
60) Dibromochloromethane	11.075	129	80876	50.947	ug/l	100
61) 1,2-Dibromoethane	11.181	107	62794	50.407	ug/l	98
64) Tetrachloroethene	10.810	164	75498	51.079	ug/l	98
65) Chlorobenzene	11.610	112	239004	51.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	88502	51.776	ug/l	98
67) Ethyl Benzene	11.687	91	422974	53.180	ug/l	97
68) m/p-Xylenes	11.793	106	337852	104.608	ug/l	99
69) o-Xylene	12.122	106	155858	52.157	ug/l	98
70) Styrene	12.134	104	272413	54.313	ug/l	99
71) Bromoform	12.298	173	48375	52.368	ug/l #	94
73) Isopropylbenzene	12.422	105	408213	54.285	ug/l	99
74) N-amyl acetate	12.234	43	63577	52.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	69793	50.136	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	48348m	54.945	ug/l	
77) Bromobenzene	12.698	156	98994	53.083	ug/l	97
78) n-propylbenzene	12.763	91	499076	54.524	ug/l	100
79) 2-Chlorotoluene	12.851	91	262020	52.180	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	336253	54.073	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	22462	53.508	ug/l	99
82) 4-Chlorotoluene	12.951	91	277279	52.207	ug/l	99
83) tert-Butylbenzene	13.169	119	289303	53.955	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	340001	54.255	ug/l	97
85) sec-Butylbenzene	13.345	105	442589	54.544	ug/l	99
86) p-Isopropyltoluene	13.463	119	384727	55.385	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	208372	52.948	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	200869	51.791	ug/l	99
89) n-Butylbenzene	13.787	91	351500	56.030	ug/l	99
90) Hexachloroethane	14.051	117	74608	51.907	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	174977	51.624	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8997	48.314	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	108258	54.729	ug/l	94
94) Hexachlorobutadiene	15.204	225	56076	52.363	ug/l	99
95) Naphthalene	15.334	128	187856	54.623	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	92437	54.016	ug/l	98

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

