

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
 Data File : VD078582.D
 Acq On : 04 Mar 2024 10:47
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/05/2024
 Supervised By :Semsettin Yesilyurt 03/05/2024

Quant Time: Mar 05 04:11:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	169125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	275568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	250929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135553	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	80237	47.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.720%
35) Dibromofluoromethane	7.804	113	90203	50.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.640%
50) Toluene-d8	10.269	98	360379	51.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.569	95	105834	53.197	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	74097	56.665	ug/l	99
3) Chloromethane	2.152	50	147307	62.964	ug/l	99
4) Vinyl Chloride	2.281	62	230454	55.436	ug/l	99
5) Bromomethane	2.687	94	157553	47.453	ug/l	99
6) Chloroethane	2.834	64	167473	54.353	ug/l	98
7) Trichlorofluoromethane	3.169	101	149179	53.070	ug/l	97
8) Diethyl Ether	3.593	74	42791	54.212	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	93311	52.669	ug/l	98
10) Methyl Iodide	4.163	142	93146	50.243	ug/l	92
11) Tert butyl alcohol	5.063	59	22245	282.377	ug/l	99
12) 1,1-Dichloroethene	3.940	96	86007	52.002	ug/l	90
13) Acrolein	3.799	56	43266	260.221	ug/l	96
14) Allyl chloride	4.563	41	96127	51.029	ug/l	94
15) Acrylonitrile	5.257	53	89459	274.905	ug/l	99
16) Acetone	4.028	43	84170	262.056	ug/l	87
17) Carbon Disulfide	4.269	76	281995	51.176	ug/l	95
18) Methyl Acetate	4.569	43	38810	63.837	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	188268	55.986	ug/l	97
20) Methylene Chloride	4.799	84	116539	53.828	ug/l	93
21) trans-1,2-Dichloroethene	5.310	96	105098	52.886	ug/l	96
22) Diisopropyl ether	6.216	45	224127	53.066	ug/l	96
23) Vinyl Acetate	6.157	43	684438	272.856	ug/l	97
24) 1,1-Dichloroethane	6.110	63	160156	50.193	ug/l	98
25) 2-Butanone	7.087	43	110163	271.903	ug/l	88
26) 2,2-Dichloropropane	7.075	77	141855	52.625	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	114535	52.636	ug/l	99
28) Bromochloromethane	7.428	49	57682	48.390	ug/l	93
29) Tetrahydrofuran	7.445	42	64041	284.511	ug/l	95
30) Chloroform	7.598	83	172837	50.168	ug/l	96
31) Cyclohexane	7.875	56	132739	50.585	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	157873	53.417	ug/l	97
36) 1,1-Dichloropropene	8.010	75	136866	55.176	ug/l	98
37) Ethyl Acetate	7.169	43	46239	57.531	ug/l	98
38) Carbon Tetrachloride	7.992	117	141880	54.686	ug/l	98
39) Methylcyclohexane	9.275	83	170696	58.631	ug/l	98
40) Benzene	8.251	78	399781	54.374	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	26861	62.354	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	96283	51.620	ug/l	100
43) Isopropyl Acetate	8.357	43	83773	54.367	ug/l	98
44) Trichloroethene	9.028	130	109976	54.508	ug/l	100
45) 1,2-Dichloropropane	9.298	63	93593	52.992	ug/l	94
46) Dibromomethane	9.392	93	57353	56.329	ug/l	93
47) Bromodichloromethane	9.581	83	134471	53.562	ug/l	97
48) Methyl methacrylate	9.381	41	41501	59.457	ug/l	89
49) 1,4-Dioxane	9.387	88	13444	1181.401	ug/l	98
51) 4-Methyl-2-Pentanone	10.157	43	231178	290.670	ug/l	96
52) Toluene	10.334	92	261159	55.358	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	128660	55.397	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	150825	54.238	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	76264	53.194	ug/l	93
56) Ethyl methacrylate	10.598	69	84849	59.047	ug/l	96
57) 1,3-Dichloropropane	10.881	76	124801	53.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	176000	281.735	ug/l	100
59) 2-Hexanone	10.922	43	176154	298.612	ug/l	94
60) Dibromochloromethane	11.075	129	97057	56.066	ug/l	97
61) 1,2-Dibromoethane	11.181	107	74974	56.981	ug/l	99
64) Tetrachloroethene	10.810	164	93414	59.166	ug/l	94
65) Chlorobenzene	11.604	112	278742	56.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	103840	56.447	ug/l	95
67) Ethyl Benzene	11.681	91	496667	58.008	ug/l	98
68) m/p-Xylenes	11.792	106	408883	118.043	ug/l	96
69) o-Xylene	12.122	106	187015	59.515	ug/l	97
70) Styrene	12.133	104	324014	59.488	ug/l	99
71) Bromoform	12.298	173	59197	60.489	ug/l #	98
73) Isopropylbenzene	12.422	105	488464	56.846	ug/l	96
74) N-amyl acetate	12.233	43	82589	57.105	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	87978	53.446	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	55502m	53.611	ug/l	
77) Bromobenzene	12.698	156	114868	55.276	ug/l	96
78) n-propylbenzene	12.763	91	601717	57.249	ug/l	96
79) 2-Chlorotoluene	12.845	91	316152	56.054	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	412313	58.968	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	28919	59.790	ug/l	98
82) 4-Chlorotoluene	12.945	91	335703	55.850	ug/l	100
83) tert-Butylbenzene	13.163	119	350808	58.268	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	410912	57.497	ug/l	99
85) sec-Butylbenzene	13.345	105	551082	58.673	ug/l	97
86) p-Isopropyltoluene	13.457	119	476710	60.291	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	250283	56.366	ug/l	100
88) 1,4-Dichlorobenzene	13.533	146	246351	55.377	ug/l	99
89) n-Butylbenzene	13.786	91	437496	59.209	ug/l	98
90) Hexachloroethane	14.051	117	90705	56.419	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	210717	55.867	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	12088	55.092	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	128486	57.528	ug/l	98
94) Hexachlorobutadiene	15.204	225	71777	58.408	ug/l	99
95) Naphthalene	15.327	128	249442	63.204	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	118048	59.514	ug/l	98

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

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