

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040723\
 Data File : VD075596.D
 Acq On : 07 Apr 2023 11:24
 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 04/10/2023
 Supervised By :Mahesh Dadoda 04/10/2023

Quant Time: Apr 10 02:02:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	191726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	383502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	295699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	101159	58.148	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.300%			
35) Dibromofluoromethane	7.805	113	123533	47.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.060%			
50) Toluene-d8	10.269	98	487566	46.989	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.980%			
62) 4-Bromofluorobenzene	12.575	95	141068	47.029	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	85471	44.704	ug/l	98
3) Chloromethane	2.146	50	150485	52.798	ug/l	99
4) Vinyl Chloride	2.281	62	217673	47.308	ug/l	98
5) Bromomethane	2.693	94	176774	49.040	ug/l	98
6) Chloroethane	2.834	64	146502	47.536	ug/l	95
7) Trichlorofluoromethane	3.175	101	172607	46.544	ug/l	98
8) Diethyl Ether	3.593	74	51447	51.969	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.970	101	112029	46.428	ug/l	96
10) Methyl Iodide	4.158	142	137755	47.853	ug/l	92
11) Tert butyl alcohol	5.058	59	20458	254.663	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	111605	46.834	ug/l	87
13) Acrolein	3.793	56	41454	259.332	ug/l	98
14) Allyl chloride	4.564	41	98251	47.920	ug/l #	79
15) Acrylonitrile	5.252	53	97613	268.895	ug/l	99
16) Acetone	4.022	43	102881	355.782	ug/l	90
17) Carbon Disulfide	4.269	76	329160	45.781	ug/l	98
18) Methyl Acetate	4.564	43	51070	55.450	ug/l #	65
19) Methyl tert-butyl Ether	5.316	73	225043	54.457	ug/l	99
20) Methylene Chloride	4.799	84	139349	57.090	ug/l #	70
21) trans-1,2-Dichloroethene	5.311	96	134123	49.511	ug/l #	74
22) Diisopropyl ether	6.211	45	238725	53.719	ug/l #	87
23) Vinyl Acetate	6.152	43	582416	270.053	ug/l #	83
24) 1,1-Dichloroethane	6.111	63	192540	50.020	ug/l	96
25) 2-Butanone	7.081	43	121228	298.843	ug/l #	74
26) 2,2-Dichloropropane	7.075	77	173780	49.085	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	151260	52.107	ug/l	79
28) Bromochloromethane	7.428	49	69375	55.905	ug/l #	45
29) Tetrahydrofuran	7.440	42	60894	275.810	ug/l #	51
30) Chloroform	7.599	83	219663	51.383	ug/l	95
31) Cyclohexane	7.875	56	137730	44.447	ug/l #	72
32) 1,1,1-Trichloroethane	7.793	97	187090	49.911	ug/l	94
36) 1,1-Dichloropropene	8.010	75	158115	40.620	ug/l	92
37) Ethyl Acetate	7.169	43	49266	48.576	ug/l #	80
38) Carbon Tetrachloride	7.993	117	151928	40.735	ug/l	98
39) Methylcyclohexane	9.275	83	225732	45.995	ug/l	87
40) Benzene	8.252	78	510637	43.774	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	24491	45.826	ug/l #	62
42) 1,2-Dichloroethane	8.322	62	113311	44.127	ug/l	89
43) Isopropyl Acetate	8.363	43	88570	47.195	ug/l #	76
44) Trichloroethene	9.028	130	177150	51.671	ug/l	88
45) 1,2-Dichloropropane	9.305	63	128783	51.354	ug/l	95
46) Dibromomethane	9.393	93	83549	54.056	ug/l	88
47) Bromodichloromethane	9.587	83	194664	52.012	ug/l	94
48) Methyl methacrylate	9.381	41	47201	53.538	ug/l #	58
49) 1,4-Dioxane	9.381	88	15648	1116.048	ug/l #	73
51) 4-Methyl-2-Pentanone	10.157	43	241319	247.256	ug/l #	79
52) Toluene	10.334	92	332757	44.019	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	157235	46.702	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	215743	52.178	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	100715	46.030	ug/l	94
56) Ethyl methacrylate	10.599	69	103850	49.849	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	153910	45.707	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	287047	281.536	ug/l #	85
59) 2-Hexanone	10.922	43	178734	258.959	ug/l	70
60) Dibromochloromethane	11.075	129	120369	46.562	ug/l	98
61) 1,2-Dibromoethane	11.181	107	98632	47.864	ug/l	99
64) Tetrachloroethene	10.810	164	116686	50.002	ug/l	93
65) Chlorobenzene	11.610	112	355850	50.742	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	126349	52.590	ug/l	95
67) Ethyl Benzene	11.687	91	613081	50.762	ug/l	95
68) m/p-Xylenes	11.793	106	506327	104.307	ug/l	91
69) o-Xylene	12.122	106	235826	52.311	ug/l	91
70) Styrene	12.134	104	415585	55.420	ug/l #	92
71) Bromoform	12.298	173	68398	55.754	ug/l #	99
73) Isopropylbenzene	12.422	105	592048	48.235	ug/l	99
74) N-amyl acetate	12.234	43	79756	52.455	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.675	83	108158	51.957	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	72362m	57.565	ug/l	
77) Bromobenzene	12.704	156	142675	48.894	ug/l	89
78) n-propylbenzene	12.763	91	717165	48.086	ug/l	96
79) 2-Chlorotoluene	12.851	91	385823	47.741	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	494781	49.157	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	32225	53.922	ug/l #	71
82) 4-Chlorotoluene	12.945	91	408633	49.000	ug/l	92
83) tert-Butylbenzene	13.169	119	421368	48.167	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	491451	50.521	ug/l	95
85) sec-Butylbenzene	13.345	105	642153	47.416	ug/l	98
86) p-Isopropyltoluene	13.463	119	543876	49.147	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	299812	49.704	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	292992	49.103	ug/l	97
89) n-Butylbenzene	13.787	91	488203	48.103	ug/l	99
90) Hexachloroethane	14.057	117	100456	47.011	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	255035	49.964	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13846	52.853	ug/l	75
93) 1,2,4-Trichlorobenzene	15.098	180	140258	47.118	ug/l	96
94) Hexachlorobutadiene	15.204	225	65652	46.242	ug/l	98
95) Naphthalene	15.334	128	275657	50.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	121202	47.187	ug/l	98

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

