

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110222\
 Data File : VD074699.D
 Acq On : 02 Nov 2022 12:06
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 03 01:41:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 01:37:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	139986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	242995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	217862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	101245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	6415	5.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.580%#		
35) Dibromofluoromethane	7.799	113	7594	5.283	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.560%#		
50) Toluene-d8	10.269	98	27906	5.322	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.640%#		
62) 4-Bromofluorobenzene	12.575	95	8236	5.440	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.880%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	6813	5.926	ug/l	99
3) Chloromethane	2.140	50	10852	5.915	ug/l	93
4) Vinyl Chloride	2.275	62	10621	5.279	ug/l	99
5) Bromomethane	2.687	94	9305	6.104	ug/l	99
6) Chloroethane	2.828	64	7304	5.237	ug/l	93
7) Trichlorofluoromethane	3.169	101	11919	5.099	ug/l	90
8) Diethyl Ether	3.587	74	3587	5.253	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.952	101	7736	5.210	ug/l	97
10) Methyl Iodide	4.158	142	5966	3.733	ug/l #	94
11) Tert butyl alcohol	5.005	59	11052	56.247	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	7402	4.908	ug/l	91
13) Acrolein	3.793	56	1535	20.116	ug/l	97
14) Allyl chloride	4.558	41	7854	4.922	ug/l	97
15) Acrylonitrile	5.258	53	6589	24.419	ug/l	98
16) Acetone	4.022	43	6325	27.337	ug/l	89
17) Carbon Disulfide	4.263	76	23745	5.221	ug/l	96
18) Methyl Acetate	4.563	43	4108	5.871	ug/l	94
19) Methyl tert-butyl Ether	5.305	73	13979	4.874	ug/l	97
20) Methylene Chloride	4.793	84	29842	10.043	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	8450	5.098	ug/l	93
22) Diisopropyl ether	6.210	45	15565	4.726	ug/l #	83
23) Vinyl Acetate	6.152	43	34987m	24.998	ug/l	
24) 1,1-Dichloroethane	6.110	63	13212	5.245	ug/l	92
25) 2-Butanone	7.081	43	8618	27.090	ug/l #	74
26) 2,2-Dichloropropane	7.063	77	12942	5.584	ug/l	91
27) cis-1,2-Dichloroethene	7.075	96	9329	5.102	ug/l	98
28) Bromochloromethane	7.428	49	4268	5.369	ug/l #	99
29) Tetrahydrofuran	7.440	42	4239	23.234	ug/l	93
30) Chloroform	7.587	83	14212	5.281	ug/l	91
31) Cyclohexane	7.881	56	12166	5.420	ug/l #	93
32) 1,1,1-Trichloroethane	7.787	97	11963	5.032	ug/l	97
36) 1,1-Dichloropropene	8.004	75	10246	4.696	ug/l	94
37) Ethyl Acetate	7.169	43	3637	4.997	ug/l #	88
38) Carbon Tetrachloride	7.993	117	9303	4.501	ug/l	99
39) Methylcyclohexane	9.275	83	11866	4.470	ug/l	95
40) Benzene	8.246	78	31419	4.872	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.387	41	1596	4.454	ug/l #	19
42) 1,2-Dichloroethane	8.328	62	7539	5.085	ug/l	98
43) Isopropyl Acetate	8.363	43	6523	4.817	ug/l #	83
44) Trichloroethene	9.028	130	8881	4.834	ug/l	97
45) 1,2-Dichloropropane	9.298	63	7107	4.983	ug/l	100
46) Dibromomethane	9.393	93	4241	5.131	ug/l	93
47) Bromodichloromethane	9.581	83	9826	4.938	ug/l #	90
48) Methyl methacrylate	9.381	41	2596	4.302	ug/l	92
49) 1,4-Dioxane	9.381	88	659	79.061	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	14732	22.432	ug/l	96
52) Toluene	10.334	92	18857	4.776	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	8464	4.809	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	10336	4.680	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	5963	5.311	ug/l	91
56) Ethyl methacrylate	10.598	69	5780	4.604	ug/l	94
57) 1,3-Dichloropropane	10.881	76	9087	5.023	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	7844	23.859	ug/l	98
59) 2-Hexanone	10.922	43	10292	22.782	ug/l	97
60) Dibromochloromethane	11.075	129	6865	5.121	ug/l	99
61) 1,2-Dibromoethane	11.181	107	5558	5.252	ug/l	94
64) Tetrachloroethene	10.810	164	7842	5.095	ug/l	92
65) Chlorobenzene	11.604	112	21651	5.018	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	7281	4.974	ug/l	94
67) Ethyl Benzene	11.681	91	36807	4.814	ug/l	100
68) m/p-Xylenes	11.787	106	28065	9.246	ug/l	99
69) o-Xylene	12.122	106	12587	4.511	ug/l	93
70) Styrene	12.134	104	21385	4.523	ug/l	97
71) Bromoform	12.304	173	3796	4.842	ug/l #	86
73) Isopropylbenzene	12.422	105	33767	4.565	ug/l	100
74) N-amyl acetate	12.234	43	5474	4.556	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.669	83	6177	4.970	ug/l	96
76) 1,2,3-Trichloropropane	12.710	75	3856m	4.864	ug/l	
77) Bromobenzene	12.698	156	8290	4.867	ug/l	97
78) n-propylbenzene	12.763	91	39929	4.506	ug/l	100
79) 2-Chlorotoluene	12.845	91	22486	4.713	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	27684	4.587	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	1651	4.993	ug/l	97
82) 4-Chlorotoluene	12.945	91	24232	4.883	ug/l	94
83) tert-Butylbenzene	13.163	119	23555	4.429	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	26342	4.424	ug/l	98
85) sec-Butylbenzene	13.345	105	36207	4.513	ug/l	98
86) p-Isopropyltoluene	13.457	119	30032	4.444	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	17352	4.913	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	18059	5.202	ug/l	96
89) n-Butylbenzene	13.786	91	28702	4.644	ug/l	98
90) Hexachloroethane	14.051	117	5430	4.687	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	15411	5.123	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	753	4.383	ug/l	87
93) 1,2,4-Trichlorobenzene	15.092	180	8966	4.828	ug/l	99
94) Hexachlorobutadiene	15.198	225	4852	4.994	ug/l	98
95) Naphthalene	15.328	128	15670	4.393	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	7783	4.762	ug/l	97

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

