

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075663.D
 Acq On : 13 Apr 2023 16:31
 Operator : KP/SY
 Sample : VD0413SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 01:35:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	198706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	352091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	325955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	164375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99933	52.984	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.960%			
35) Dibromofluoromethane	7.804	113	120312	50.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.600%			
50) Toluene-d8	10.269	98	471921	49.762	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.574	95	147412	58.481	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	38584	20.898	ug/l	100
3) Chloromethane	2.146	50	77624	23.284	ug/l	97
4) Vinyl Chloride	2.275	62	93453	21.125	ug/l	97
5) Bromomethane	2.669	94	64124	18.564	ug/l	97
6) Chloroethane	2.822	64	63011	21.155	ug/l	92
7) Trichlorofluoromethane	3.163	101	72295	21.091	ug/l	95
8) Diethyl Ether	3.593	74	22560	21.146	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.957	101	44856	20.868	ug/l	96
10) Methyl Iodide	4.157	142	56766	19.296	ug/l	91
11) Tert butyl alcohol	5.069	59	12179	128.664	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	46392	20.844	ug/l	84
13) Acrolein	3.798	56	20607	107.927	ug/l	96
14) Allyl chloride	4.551	41	41623	20.535	ug/l #	81
15) Acrylonitrile	5.251	53	45105	113.195	ug/l	98
16) Acetone	4.022	43	34892	100.980	ug/l	89
17) Carbon Disulfide	4.257	76	148567	20.398	ug/l	97
18) Methyl Acetate	4.563	43	26231	22.512	ug/l #	74
19) Methyl tert-butyl Ether	5.316	73	91651	21.219	ug/l	93
20) Methylene Chloride	4.787	84	65065	21.736	ug/l #	72
21) trans-1,2-Dichloroethene	5.310	96	54137	20.424	ug/l #	75
22) Diisopropyl ether	6.216	45	97191	21.220	ug/l #	87
23) Vinyl Acetate	6.151	43	236278	111.064	ug/l #	88
24) 1,1-Dichloroethane	6.110	63	78540	20.694	ug/l	94
25) 2-Butanone	7.081	43	48789	109.665	ug/l #	70
26) 2,2-Dichloropropane	7.069	77	70544	20.502	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	59344	20.211	ug/l	81
28) Bromochloromethane	7.428	49	25320	21.105	ug/l #	46
29) Tetrahydrofuran	7.451	42	28692	117.932	ug/l #	59
30) Chloroform	7.592	83	88489	20.567	ug/l	89
31) Cyclohexane	7.875	56	60319	20.380	ug/l #	69
32) 1,1,1-Trichloroethane	7.792	97	71615	20.413	ug/l	94
36) 1,1-Dichloropropene	8.010	75	62497	19.129	ug/l	92
37) Ethyl Acetate	7.163	43	20270	20.387	ug/l #	73
38) Carbon Tetrachloride	7.986	117	58057	20.180	ug/l	98
39) Methylcyclohexane	9.275	83	74993	19.851	ug/l #	88
40) Benzene	8.251	78	202959	19.983	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	9180	19.240	ug/l #	56
42) 1,2-Dichloroethane	8.328	62	48414	20.987	ug/l	91
43) Isopropyl Acetate	8.363	43	38741	21.368	ug/l #	77
44) Trichloroethene	9.028	130	55203	19.205	ug/l	95
45) 1,2-Dichloropropane	9.304	63	44870	19.715	ug/l	93
46) Dibromomethane	9.392	93	29270	20.272	ug/l	97
47) Bromodichloromethane	9.580	83	66906	20.257	ug/l	94
48) Methyl methacrylate	9.380	41	16136	19.977	ug/l #	57
49) 1,4-Dioxane	9.386	88	6076	424.143	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	102704	106.246	ug/l #	79
52) Toluene	10.333	92	130151	19.272	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	62028	19.591	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	74883	19.906	ug/l #	77
55) 1,1,2-Trichloroethane	10.733	97	41157	19.687	ug/l	97
56) Ethyl methacrylate	10.598	69	41057	19.956	ug/l #	67
57) 1,3-Dichloropropane	10.880	76	65119	20.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	94184	106.592	ug/l #	88
59) 2-Hexanone	10.922	43	71938	105.841	ug/l	73
60) Dibromochloromethane	11.075	129	46047	18.823	ug/l	96
61) 1,2-Dibromoethane	11.180	107	38871	19.491	ug/l	96
64) Tetrachloroethene	10.810	164	44803	19.086	ug/l	95
65) Chlorobenzene	11.610	112	140845	20.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.680	131	49022	20.425	ug/l	96
67) Ethyl Benzene	11.686	91	229244	20.232	ug/l	95
68) m/p-Xylenes	11.792	106	191108	41.156	ug/l	92
69) o-Xylene	12.122	106	86867	20.688	ug/l	91
70) Styrene	12.139	104	151150	19.883	ug/l	94
71) Bromoform	12.298	173	31203	24.870	ug/l #	96
73) Isopropylbenzene	12.422	105	249808	23.156	ug/l	97
74) N-amyl acetate	12.233	43	35616	22.467	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.674	83	51065	24.368	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	27422m	20.457	ug/l	
77) Bromobenzene	12.704	156	67169	24.151	ug/l	85
78) n-propylbenzene	12.763	91	294692	22.285	ug/l	96
79) 2-Chlorotoluene	12.851	91	173535	23.138	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	218211	24.263	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	14412	23.303	ug/l #	69
82) 4-Chlorotoluene	12.945	91	187030	23.982	ug/l	91
83) tert-Butylbenzene	13.169	119	176349	23.256	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	207575	23.002	ug/l	95
85) sec-Butylbenzene	13.345	105	255030	21.800	ug/l	98
86) p-Isopropyltoluene	13.463	119	193491	19.868	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	113612	19.636	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	113718	19.894	ug/l	97
89) n-Butylbenzene	13.786	91	178988	19.952	ug/l	100
90) Hexachloroethane	14.057	117	39062	20.187	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	99322	20.039	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6268	22.312	ug/l	86
93) 1,2,4-Trichlorobenzene	15.104	180	53721	18.631	ug/l	97
94) Hexachlorobutadiene	15.204	225	24391	17.698	ug/l	98
95) Naphthalene	15.333	128	106276	19.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	48052	18.933	ug/l	98

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

