

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082923\
 Data File : VD077057.D
 Acq On : 29 Aug 2023 13:00
 Operator : JC/SY
 Sample : VD0829SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0829SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/31/2023
 Supervised By :Mahesh Dadoda 09/01/2023

Quant Time: Aug 29 20:58:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	188747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	324534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	309298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	155760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	114936	61.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.700%	
35) Dibromofluoromethane	7.804	113	126866	58.515	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.020%	
50) Toluene-d8	10.269	98	482567	61.523	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 123.040%	
62) 4-Bromofluorobenzene	12.575	95	141770	61.305	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 122.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	35083	19.425	ug/l	94
3) Chloromethane	2.146	50	66450	19.771	ug/l	98
4) Vinyl Chloride	2.275	62	74729	19.370	ug/l	97
5) Bromomethane	2.675	94	61309	18.581	ug/l	98
6) Chloroethane	2.828	64	53481	20.412	ug/l	96
7) Trichlorofluoromethane	3.163	101	67657	19.382	ug/l	86
8) Diethyl Ether	3.587	74	19643	20.555	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.958	101	41464	20.343	ug/l	99
10) Methyl Iodide	4.152	142	49662	19.112	ug/l #	88
11) Tert butyl alcohol	5.046	59	11479	102.952	ug/l #	88
12) 1,1-Dichloroethene	3.928	96	39020	19.298	ug/l	96
13) Acrolein	3.787	56	18749	89.986	ug/l	97
14) Allyl chloride	4.558	41	42566	19.082	ug/l	94
15) Acrylonitrile	5.252	53	41832	98.916	ug/l	97
16) Acetone	4.028	43	44700	105.529	ug/l #	83
17) Carbon Disulfide	4.263	76	120302	19.495	ug/l	97
18) Methyl Acetate	4.558	43	26945	18.800	ug/l	95
19) Methyl tert-butyl Ether	5.310	73	85117	19.409	ug/l	93
20) Methylene Chloride	4.799	84	86173	30.917	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	46111	19.360	ug/l	97
22) Diisopropyl ether	6.222	45	101208	20.254	ug/l	96
23) Vinyl Acetate	6.152	43	251303	100.399	ug/l	98
24) 1,1-Dichloroethane	6.110	63	76645	20.432	ug/l	98
25) 2-Butanone	7.087	43	50941	95.982	ug/l	96
26) 2,2-Dichloropropane	7.069	77	63045	18.884	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	52231	19.520	ug/l	98
28) Bromochloromethane	7.422	49	27209	20.306	ug/l	90
29) Tetrahydrofuran	7.446	42	28929	98.133	ug/l	92
30) Chloroform	7.593	83	84047	20.000	ug/l	98
31) Cyclohexane	7.875	56	54820	18.465	ug/l	92
32) 1,1,1-Trichloroethane	7.787	97	73806	20.235	ug/l	95
36) 1,1-Dichloropropene	8.004	75	59755	19.347	ug/l	98
37) Ethyl Acetate	7.169	43	23301	20.918	ug/l	99
38) Carbon Tetrachloride	7.993	117	59606	19.087	ug/l	99
39) Methylcyclohexane	9.269	83	68628	19.114	ug/l	96
40) Benzene	8.251	78	183018	19.733	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	11466	18.666	ug/l #	80
42) 1,2-Dichloroethane	8.322	62	48042	20.044	ug/l	99
43) Isopropyl Acetate	8.363	43	39803	18.806	ug/l #	76
44) Trichloroethene	9.028	130	50425	19.079	ug/l	100
45) 1,2-Dichloropropane	9.304	63	43201	19.689	ug/l	98
46) Dibromomethane	9.387	93	27126	19.418	ug/l	96
47) Bromodichloromethane	9.581	83	64194	19.685	ug/l	100
48) Methyl methacrylate	9.375	41	18821	19.840	ug/l	86
49) 1,4-Dioxane	9.387	88	5199	347.410	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	107252	98.506	ug/l	93
52) Toluene	10.334	92	119040	19.916	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	57836	19.177	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	69844	19.472	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	36577	19.726	ug/l	97
56) Ethyl methacrylate	10.598	69	36006	18.412	ug/l #	90
57) 1,3-Dichloropropane	10.881	76	59287	20.117	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	64425	167.125	ug/l	99
59) 2-Hexanone	10.922	43	77167	98.739	ug/l	88
60) Dibromochloromethane	11.075	129	45451	19.803	ug/l	95
61) 1,2-Dibromoethane	11.181	107	34994	19.714	ug/l	100
64) Tetrachloroethene	10.810	164	40843	18.336	ug/l	94
65) Chlorobenzene	11.604	112	128537	19.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	46704	18.635	ug/l	97
67) Ethyl Benzene	11.681	91	217478	18.896	ug/l	98
68) m/p-Xylenes	11.792	106	172966	37.539	ug/l	92
69) o-Xylene	12.122	106	80680	19.156	ug/l	93
70) Styrene	12.134	104	141963	19.403	ug/l	99
71) Bromoform	12.298	173	27524	19.723	ug/l #	99
73) Isopropylbenzene	12.422	105	205343	18.891	ug/l	98
74) N-amyl acetate	12.234	43	35520	18.554	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	42413	19.958	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	26772m	17.820	ug/l	
77) Bromobenzene	12.698	156	52872	19.290	ug/l	97
78) n-propylbenzene	12.763	91	253957	19.118	ug/l	99
79) 2-Chlorotoluene	12.845	91	143331	19.736	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	174570	19.236	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.463	75	12241	18.918	ug/l	94
82) 4-Chlorotoluene	12.945	91	150445	19.584	ug/l	98
83) tert-Butylbenzene	13.169	119	150487	19.179	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	178653	19.629	ug/l	98
85) sec-Butylbenzene	13.345	105	225617	19.044	ug/l	97
86) p-Isopropyltoluene	13.457	119	190095	18.818	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	108583	19.116	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	108566	19.702	ug/l	98
89) n-Butylbenzene	13.786	91	175097	18.872	ug/l	96
90) Hexachloroethane	14.051	117	39157	19.990	ug/l	91
91) 1,2-Dichlorobenzene	13.828	146	92676	19.144	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.439	75	5817	19.656	ug/l	92
93) 1,2,4-Trichlorobenzene	15.092	180	52728	17.711	ug/l	96
94) Hexachlorobutadiene	15.204	225	27803	17.812	ug/l	97
95) Naphthalene	15.333	128	96739	17.519	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	48177	18.064	ug/l	99

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

