

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078059.D
 Acq On : 22 Dec 2023 13:09
 Operator : RP/MD
 Sample : VD1222SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1222SBS02

Quant Time: Dec 23 03:35:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/26/2023
 Supervised By :Semsettin Yesilyurt 12/26/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	136844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	226905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	207823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75120	46.586	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.180%		
35) Dibromofluoromethane	7.816	113	85106	53.546	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.100%		
50) Toluene-d8	10.269	98	323202	50.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.540%		
62) 4-Bromofluorobenzene	12.575	95	97092	51.015	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	30596	17.899	ug/l	95
3) Chloromethane	2.152	50	42343	18.173	ug/l	99
4) Vinyl Chloride	2.287	62	60820	19.228	ug/l	97
5) Bromomethane	2.693	94	45304	25.524	ug/l	100
6) Chloroethane	2.840	64	45647	21.167	ug/l	89
7) Trichlorofluoromethane	3.181	101	56473	19.385	ug/l	91
8) Diethyl Ether	3.593	74	14876	18.185	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.970	101	34062	20.438	ug/l	97
10) Methyl Iodide	4.175	142	29839	24.415	ug/l	93
11) Tert butyl alcohol	5.046	59	7467	88.896	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	30521	18.555	ug/l	91
13) Acrolein	3.811	56	9800	57.453	ug/l	99
14) Allyl chloride	4.570	41	36871	16.298	ug/l	89
15) Acrylonitrile	5.264	53	33698	96.211	ug/l	97
16) Acetone	4.017	43	42407	103.152	ug/l	89
17) Carbon Disulfide	4.270	76	74171	13.328	ug/l	97
18) Methyl Acetate	4.575	43	22112	17.412	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	69269	19.848	ug/l	91
20) Methylene Chloride	4.817	84	44071	20.190	ug/l #	86
21) trans-1,2-Dichloroethene	5.317	96	34835	18.697	ug/l	93
22) Diisopropyl ether	6.222	45	87979	18.610	ug/l	91
23) Vinyl Acetate	6.164	43	207513	89.884	ug/l	96
24) 1,1-Dichloroethane	6.122	63	63518	19.840	ug/l	97
25) 2-Butanone	7.093	43	47372	97.726	ug/l	89
26) 2,2-Dichloropropane	7.081	77	51288	19.080	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	40210	20.057	ug/l	91
28) Bromochloromethane	7.434	49	22246	17.196	ug/l	82
29) Tetrahydrofuran	7.452	42	22885	89.124	ug/l	89
30) Chloroform	7.599	83	65162	20.336	ug/l	92
31) Cyclohexane	7.881	56	47410	16.530	ug/l	84
32) 1,1,1-Trichloroethane	7.799	97	59438	21.042	ug/l	96
36) 1,1-Dichloropropene	8.011	75	48464	19.063	ug/l	94
37) Ethyl Acetate	7.169	43	18254	18.414	ug/l	94
38) Carbon Tetrachloride	7.999	117	48243	19.034	ug/l	97
39) Methylcyclohexane	9.275	83	52320	17.360	ug/l	92
40) Benzene	8.258	78	136229	18.880	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	10240	20.324	ug/l #	81
42) 1,2-Dichloroethane	8.328	62	39052	20.879	ug/l	96
43) Isopropyl Acetate	8.363	43	32430	18.403	ug/l	95
44) Trichloroethene	9.034	130	36915	19.632	ug/l	85
45) 1,2-Dichloropropane	9.305	63	36732	20.941	ug/l	96
46) Dibromomethane	9.399	93	19063	20.539	ug/l	94
47) Bromodichloromethane	9.587	83	51017	21.687	ug/l	91
48) Methyl methacrylate	9.381	41	19681	19.647	ug/l #	79
49) 1,4-Dioxane	9.393	88	3314	359.595	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	87011	96.749	ug/l	91
52) Toluene	10.334	92	88526	19.778	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	45859	20.300	ug/l	94
54) cis-1,3-Dichloropropene	10.022	75	54826	20.073	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	27509	21.669	ug/l	94
56) Ethyl methacrylate	10.599	69	21708	19.397	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	45619	20.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	43327	67.889	ug/l	94
59) 2-Hexanone	10.922	43	70621	94.649	ug/l	92
60) Dibromochloromethane	11.075	129	33891	22.173	ug/l	93
61) 1,2-Dibromoethane	11.181	107	25253	21.132	ug/l	98
64) Tetrachloroethene	10.810	164	29981	19.628	ug/l	97
65) Chlorobenzene	11.610	112	97548	18.751	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	35327	20.442	ug/l	100
67) Ethyl Benzene	11.687	91	169200	19.556	ug/l	98
68) m/p-Xylenes	11.793	106	131300	39.673	ug/l	90
69) o-Xylene	12.122	106	61759	20.248	ug/l	95
70) Styrene	12.134	104	93885	20.700	ug/l	96
71) Bromoform	12.299	173	20027	22.179	ug/l #	100
73) Isopropylbenzene	12.422	105	166236	20.854	ug/l	95
74) N-amyl acetate	12.234	43	29484	18.816	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	31007	22.308	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	22125m	24.221	ug/l	
77) Bromobenzene	12.704	156	40493	21.596	ug/l	93
78) n-propylbenzene	12.763	91	204603	21.064	ug/l	95
79) 2-Chlorotoluene	12.851	91	110541	21.235	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	137389	20.664	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	9861	21.871	ug/l	97
82) 4-Chlorotoluene	12.946	91	115099	21.150	ug/l	97
83) tert-Butylbenzene	13.169	119	117831	20.993	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	139474	20.974	ug/l	94
85) sec-Butylbenzene	13.346	105	177923	21.445	ug/l	98
86) p-Isopropyltoluene	13.463	119	152804	20.570	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	80610	21.023	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	82228	20.539	ug/l	99
89) n-Butylbenzene	13.787	91	147156	21.053	ug/l	98
90) Hexachloroethane	14.051	117	31928	23.371	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	69950	21.450	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4551	22.055	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	43708	19.622	ug/l	100
94) Hexachlorobutadiene	15.204	225	23718	19.746	ug/l	97
95) Naphthalene	15.334	128	78095	21.101	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	37543	20.444	ug/l	99

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

