

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078087.D
 Acq On : 28 Dec 2023 12:43
 Operator : RP/MD
 Sample : VD1228SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Quant Time: Dec 28 22:22:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024
 Supervised By :Mahesh Dadoda 01/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	154064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	251319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	226614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	118256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	66556	48.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.100%		
35) Dibromofluoromethane	7.804	113	77416	47.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.740%		
50) Toluene-d8	10.269	98	286263	50.310	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.575	95	90192	49.264	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	26340	19.949	ug/l	100
3) Chloromethane	2.152	50	34597	19.000	ug/l	93
4) Vinyl Chloride	2.287	62	54816	19.971	ug/l	95
5) Bromomethane	2.687	94	39093	17.764	ug/l	99
6) Chloroethane	2.840	64	40724	20.191	ug/l	91
7) Trichlorofluoromethane	3.175	101	52121	19.729	ug/l	99
8) Diethyl Ether	3.599	74	13572	18.735	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.975	101	31785	19.317	ug/l	96
10) Methyl Iodide	4.169	142	27157	17.563	ug/l	93
11) Tert butyl alcohol	5.063	59	7445m	108.581	ug/l	
12) 1,1-Dichloroethene	3.952	96	29011	19.926	ug/l #	85
13) Acrolein	3.799	56	8166	113.105	ug/l	98
14) Allyl chloride	4.569	41	33006	18.755	ug/l	89
15) Acrylonitrile	5.246	53	28791	95.010	ug/l	95
16) Acetone	4.022	43	38374	123.127	ug/l #	80
17) Carbon Disulfide	4.269	76	64029	17.799	ug/l	100
18) Methyl Acetate	4.575	43	20993	18.686	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	62512	19.400	ug/l	99
20) Methylene Chloride	4.810	84	42800	23.811	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	32379	19.347	ug/l	92
22) Diisopropyl ether	6.216	45	76790	19.536	ug/l	96
23) Vinyl Acetate	6.157	43	147408m	98.091	ug/l	
24) 1,1-Dichloroethane	6.116	63	56035	19.263	ug/l	96
25) 2-Butanone	7.087	43	42996	111.513	ug/l	88
26) 2,2-Dichloropropane	7.075	77	50146	19.188	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	39149	19.717	ug/l	98
28) Bromochloromethane	7.428	49	20013	19.230	ug/l	88
29) Tetrahydrofuran	7.451	42	20753	97.796	ug/l	92
30) Chloroform	7.598	83	62029	19.676	ug/l	100
31) Cyclohexane	7.875	56	40871	18.690	ug/l	94
32) 1,1,1-Trichloroethane	7.798	97	52942	19.541	ug/l	98
36) 1,1-Dichloropropene	8.010	75	43109	18.947	ug/l	98
37) Ethyl Acetate	7.169	43	13842	18.292	ug/l	98
38) Carbon Tetrachloride	7.987	117	49657	20.141	ug/l	91
39) Methylcyclohexane	9.275	83	46728	17.913	ug/l	93
40) Benzene	8.251	78	128803	19.641	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	8765	18.308	ug/l #	82
42) 1,2-Dichloroethane	8.328	62	34465	19.447	ug/l	97
43) Isopropyl Acetate	8.363	43	29151	19.241	ug/l	96
44) Trichloroethene	9.028	130	37466	19.858	ug/l	96
45) 1,2-Dichloropropane	9.304	63	32988	19.852	ug/l	93
46) Dibromomethane	9.392	93	18736	20.131	ug/l	97
47) Bromodichloromethane	9.581	83	49031	20.281	ug/l	95
48) Methyl methacrylate	9.387	41	17161	20.099	ug/l	85
49) 1,4-Dioxane	9.387	88	3833	435.655	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	75278	96.835	ug/l	93
52) Toluene	10.334	92	85020	19.989	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	42177	19.229	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	51588	19.585	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	27828	21.248	ug/l	98
56) Ethyl methacrylate	10.598	69	21094	20.295	ug/l	95
57) 1,3-Dichloropropane	10.881	76	41600	19.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	43991	97.759	ug/l	100
59) 2-Hexanone	10.922	43	62097	102.836	ug/l	94
60) Dibromochloromethane	11.075	129	33953	20.350	ug/l	95
61) 1,2-Dibromoethane	11.181	107	24493	19.506	ug/l	97
64) Tetrachloroethene	10.810	164	29319	19.147	ug/l	96
65) Chlorobenzene	11.604	112	97252	20.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	37129	20.376	ug/l	95
67) Ethyl Benzene	11.686	91	158690	18.907	ug/l	99
68) m/p-Xylenes	11.792	106	126382	38.691	ug/l	93
69) o-Xylene	12.122	106	59134	19.424	ug/l	97
70) Styrene	12.133	104	90637	20.164	ug/l	97
71) Bromoform	12.292	173	20666	20.557	ug/l #	99
73) Isopropylbenzene	12.422	105	156048	19.159	ug/l	98
74) N-amyl acetate	12.233	43	25298	18.710	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	29647	20.028	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	19280m	19.325	ug/l	
77) Bromobenzene	12.698	156	40472	20.426	ug/l	99
78) n-propylbenzene	12.763	91	190941	19.476	ug/l	98
79) 2-Chlorotoluene	12.851	91	102413	19.313	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	129636	19.243	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	8926	19.278	ug/l	95
82) 4-Chlorotoluene	12.945	91	109242	19.214	ug/l	99
83) tert-Butylbenzene	13.163	119	118345	19.611	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	135567	19.756	ug/l	95
85) sec-Butylbenzene	13.345	105	169274	19.647	ug/l	99
86) p-Isopropyltoluene	13.457	119	151165	19.605	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	79267	19.335	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	81277	20.214	ug/l	98
89) n-Butylbenzene	13.786	91	137199	19.386	ug/l	99
90) Hexachloroethane	14.051	117	30644	19.880	ug/l	95
91) 1,2-Dichlorobenzene	13.833	146	68735	19.523	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3963	19.115	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	45826	19.936	ug/l	97
94) Hexachlorobutadiene	15.204	225	25363	19.639	ug/l	98
95) Naphthalene	15.333	128	75988	19.418	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	39135	20.065	ug/l	98

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

