

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062824\
 Data File : VD079281.D
 Acq On : 28 Jun 2024 14:26
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2024
 Supervised By :Semsettin Yesilyurt 07/01/2024

Quant Time: Jun 29 06:06:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 05:53:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	152039	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	293403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	276126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	131171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	41052	25.613	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	51.220%		
35) Dibromofluoromethane	7.805	113	42686	22.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.320%#		
50) Toluene-d8	10.263	98	163090	23.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	47.080%#		
62) 4-Bromofluorobenzene	12.569	95	47288	21.285	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	42.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	35118	20.436	ug/l	98
3) Chloromethane	2.146	50	57485	22.061	ug/l	98
4) Vinyl Chloride	2.281	62	61623	21.208	ug/l	98
5) Bromomethane	2.675	94	58233	23.030	ug/l	98
6) Chloroethane	2.828	64	43987	21.341	ug/l	94
7) Trichlorofluoromethane	3.164	101	70280	21.146	ug/l	94
8) Diethyl Ether	3.593	74	20192	20.655	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.958	101	43345	20.991	ug/l	93
10) Methyl Iodide	4.152	142	28605	18.685	ug/l	97
11) Tert butyl alcohol	5.046	59	10901	107.154	ug/l	97
12) 1,1-Dichloroethene	3.934	96	41136	20.580	ug/l	91
13) Acrolein	3.793	56	21660	107.656	ug/l	98
14) Allyl chloride	4.552	41	53343	20.911	ug/l	84
15) Acrylonitrile	5.258	53	47611	106.853	ug/l	97
16) Acetone	4.022	43	34069	94.414	ug/l	91
17) Carbon Disulfide	4.264	76	147651	21.027	ug/l	98
18) Methyl Acetate	4.558	43	24081	22.971	ug/l	91
19) Methyl tert-butyl Ether	5.322	73	86276	21.067	ug/l	97
20) Methylene Chloride	4.793	84	64218	22.843	ug/l	97
21) trans-1,2-Dichloroethene	5.299	96	47611	21.197	ug/l	94
22) Diisopropyl ether	6.216	45	123252	22.206	ug/l #	91
23) Vinyl Acetate	6.152	43	447417	106.494	ug/l	93
24) 1,1-Dichloroethane	6.111	63	82433	21.184	ug/l	92
25) 2-Butanone	7.081	43	51650	102.742	ug/l	94
26) 2,2-Dichloropropane	7.069	77	64334	20.942	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	51030	20.738	ug/l	84
28) Bromochloromethane	7.422	49	35175	21.680	ug/l #	74
29) Tetrahydrofuran	7.446	42	32791	105.000	ug/l #	87
30) Chloroform	7.593	83	85692	21.347	ug/l	99
31) Cyclohexane	7.875	56	63478	19.641	ug/l	87
32) 1,1,1-Trichloroethane	7.793	97	68860	20.900	ug/l	96
36) 1,1-Dichloropropene	7.999	75	59609	19.922	ug/l	94
37) Ethyl Acetate	7.163	43	23024	20.215	ug/l	98
38) Carbon Tetrachloride	7.987	117	61518	20.246	ug/l	91
39) Methylcyclohexane	9.269	83	67199	19.089	ug/l #	90
40) Benzene	8.246	78	186369	19.964	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	12261	19.584	ug/l	86
42) 1,2-Dichloroethane	8.322	62	46798	20.844	ug/l	96
43) Isopropyl Acetate	8.357	43	45761	20.818	ug/l #	82
44) Trichloroethene	9.028	130	42148	19.766	ug/l	98
45) 1,2-Dichloropropane	9.304	63	47609	20.946	ug/l	98
46) Dibromomethane	9.393	93	26455	20.521	ug/l	88
47) Bromodichloromethane	9.581	83	66328	21.025	ug/l	99
48) Methyl methacrylate	9.375	41	20099	20.265	ug/l	91
49) 1,4-Dioxane	9.387	88	5431	411.125	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	116669	101.993	ug/l	96
52) Toluene	10.328	92	116274	20.459	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	57206	20.080	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	69245	20.257	ug/l	95
55) 1,1,2-Trichloroethane	10.728	97	33914	20.397	ug/l	93
56) Ethyl methacrylate	10.593	69	40797	20.633	ug/l	93
57) 1,3-Dichloropropane	10.881	76	57510	20.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	90859	101.809	ug/l #	88
59) 2-Hexanone	10.916	43	81345	100.138	ug/l	97
60) Dibromochloromethane	11.069	129	43058	20.515	ug/l	99
61) 1,2-Dibromoethane	11.175	107	30907	20.275	ug/l	90
64) Tetrachloroethene	10.804	164	35401	20.577	ug/l	92
65) Chlorobenzene	11.604	112	125843	20.490	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	43161	20.647	ug/l	97
67) Ethyl Benzene	11.681	91	211882	19.770	ug/l	97
68) m/p-Xylenes	11.793	106	167815	40.596	ug/l	88
69) o-Xylene	12.122	106	73555	19.807	ug/l	84
70) Styrene	12.134	104	135966	20.530	ug/l	95
71) Bromoform	12.298	173	24060	21.223	ug/l #	99
73) Isopropylbenzene	12.416	105	190906	19.578	ug/l	97
74) N-amyl acetate	12.234	43	42243	19.737	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.669	83	40998	20.169	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	24131m	18.547	ug/l	
77) Bromobenzene	12.698	156	45615	20.796	ug/l	78
78) n-propylbenzene	12.763	91	247693	19.842	ug/l	94
79) 2-Chlorotoluene	12.845	91	140221	20.092	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	164640	19.942	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	13909	19.662	ug/l	91
82) 4-Chlorotoluene	12.945	91	151870	20.712	ug/l	92
83) tert-Butylbenzene	13.163	119	129667	19.389	ug/l	89
84) 1,2,4-Trimethylbenzene	13.210	105	164489	19.906	ug/l	95
85) sec-Butylbenzene	13.340	105	209009	19.642	ug/l	95
86) p-Isopropyltoluene	13.457	119	171741	19.554	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	92807	19.898	ug/l	94
88) 1,4-Dichlorobenzene	13.534	146	94157	20.312	ug/l	94
89) n-Butylbenzene	13.787	91	166389	19.306	ug/l	97
90) Hexachloroethane	14.051	117	38572	19.967	ug/l	87
91) 1,2-Dichlorobenzene	13.828	146	82789	20.625	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.440	75	5515	19.790	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	41624	19.448	ug/l	97
94) Hexachlorobutadiene	15.198	225	22931	19.268	ug/l	99
95) Naphthalene	15.328	128	81950	19.617	ug/l	97
96) 1,2,3-Trichlorobenzene	15.510	180	36626	19.354	ug/l	95

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

