

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012224\
 Data File : VD078195.D
 Acq On : 22 Jan 2024 15:46
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024
 Supervised By :Semsettin Yesilyurt 01/23/2024

Quant Time: Jan 23 05:29:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:12:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	137440	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	245531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	222117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	102384	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28279	18.023	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	36.040%#
35) Dibromofluoromethane	7.804	113	30607	18.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	37.880%#
50) Toluene-d8	10.269	98	119822	18.727	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	37.460%#
62) 4-Bromofluorobenzene	12.575	95	33433	18.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	36.040%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.940	85	34512	22.946	ug/l	98
3) Chloromethane	2.152	50	55303	22.309	ug/l	98
4) Vinyl Chloride	2.293	62	69013	21.175	ug/l	98
5) Bromomethane	2.693	94	50053	21.044	ug/l	100
6) Chloroethane	2.846	64	45968	20.192	ug/l	100
7) Trichlorofluoromethane	3.181	101	60172	20.298	ug/l	99
8) Diethyl Ether	3.593	74	15936	19.392	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.975	101	35168	20.482	ug/l	94
10) Methyl Iodide	4.169	142	30737	17.859	ug/l	# 90
11) Tert butyl alcohol	5.058	59	7215	93.406	ug/l	# 89
12) 1,1-Dichloroethene	3.952	96	35616	20.940	ug/l	91
13) Acrolein	3.805	56	14466	81.580	ug/l	98
14) Allyl chloride	4.575	41	43928	19.580	ug/l	89
15) Acrylonitrile	5.246	53	33506	90.860	ug/l	99
16) Acetone	4.022	43	49626	114.520	ug/l	# 86
17) Carbon Disulfide	4.275	76	113767	20.628	ug/l	97
18) Methyl Acetate	4.563	43	23313	17.270	ug/l	# 88
19) Methyl tert-butyl Ether	5.328	73	63748	17.973	ug/l	95
20) Methylene Chloride	4.810	84	43575	20.275	ug/l	86
21) trans-1,2-Dichloroethene	5.322	96	39723	20.211	ug/l	# 91
22) Diisopropyl ether	6.216	45	93304	19.654	ug/l	94
23) Vinyl Acetate	6.163	43	222516	95.134	ug/l	# 90
24) 1,1-Dichloroethane	6.122	63	65372	19.928	ug/l	96
25) 2-Butanone	7.081	43	53978	103.146	ug/l	# 83
26) 2,2-Dichloropropane	7.081	77	53343	19.412	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	42205	19.991	ug/l	92
28) Bromochloromethane	7.428	49	24754	19.348	ug/l	# 72
29) Tetrahydrofuran	7.446	42	23486	90.733	ug/l	# 86
30) Chloroform	7.604	83	65984	19.779	ug/l	98
31) Cyclohexane	7.887	56	57272	19.742	ug/l	85
32) 1,1,1-Trichloroethane	7.799	97	57361	19.904	ug/l	99
36) 1,1-Dichloropropene	8.010	75	50733	19.092	ug/l	96
37) Ethyl Acetate	7.175	43	17813	18.006	ug/l	# 94
38) Carbon Tetrachloride	7.993	117	52177	19.881	ug/l	96
39) Methylcyclohexane	9.275	83	60958	19.397	ug/l	95
40) Benzene	8.251	78	149106	19.773	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	9744	18.305	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	36714	18.712	ug/l	98
43) Isopropyl Acetate	8.363	43	33010	18.214	ug/l #	94
44) Trichloroethene	9.034	130	38682	20.051	ug/l	93
45) 1,2-Dichloropropane	9.304	63	36318	19.409	ug/l	100
46) Dibromomethane	9.398	93	19647	19.119	ug/l #	87
47) Bromodichloromethane	9.587	83	47734	18.492	ug/l	96
48) Methyl methacrylate	9.381	41	18796	17.913	ug/l #	79
49) 1,4-Dioxane	9.381	88	3667	368.791	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	84271	88.485	ug/l	88
52) Toluene	10.334	92	92859	19.427	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	44107	18.521	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	54609	19.128	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	25788	18.754	ug/l #	88
56) Ethyl methacrylate	10.598	69	20306	18.040	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	44402	18.882	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	61295	90.869	ug/l	94
59) 2-Hexanone	10.922	43	75586	97.666	ug/l	85
60) Dibromochloromethane	11.075	129	30898	19.059	ug/l	99
61) 1,2-Dibromoethane	11.181	107	23517	18.554	ug/l	99
64) Tetrachloroethene	10.810	164	28847	19.863	ug/l	97
65) Chlorobenzene	11.610	112	96745	19.717	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	33566	19.143	ug/l	96
67) Ethyl Benzene	11.687	91	173840	19.469	ug/l	93
68) m/p-Xylenes	11.792	106	132145	38.750	ug/l	90
69) o-Xylene	12.122	106	59590	19.254	ug/l	88
70) Styrene	12.134	104	90880	19.596	ug/l	95
71) Bromoform	12.298	173	15601	17.966	ug/l #	98
73) Isopropylbenzene	12.422	105	158151	19.646	ug/l	97
74) N-amyl acetate	12.234	43	27797	18.048	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	28152	18.794	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	15681m	16.572	ug/l	
77) Bromobenzene	12.698	156	34279	19.422	ug/l	83
78) n-propylbenzene	12.763	91	197300	19.761	ug/l	94
79) 2-Chlorotoluene	12.851	91	104079	19.534	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	133262	19.964	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	8295	18.195	ug/l	93
82) 4-Chlorotoluene	12.945	91	110308	19.640	ug/l	94
83) tert-Butylbenzene	13.169	119	108276	19.404	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	132081	19.565	ug/l	96
85) sec-Butylbenzene	13.345	105	164860	19.512	ug/l	95
86) p-Isopropyltoluene	13.463	119	141860	19.294	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	68545	18.757	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	72498	20.081	ug/l	98
89) n-Butylbenzene	13.786	91	138236	19.313	ug/l	96
90) Hexachloroethane	14.057	117	28223	19.568	ug/l	84
91) 1,2-Dichlorobenzene	13.834	146	58741	19.116	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3783	17.672	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	36382	19.154	ug/l	95
94) Hexachlorobutadiene	15.204	225	18411	20.058	ug/l	97
95) Naphthalene	15.333	128	63493	17.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	29567	18.553	ug/l	95

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

