

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066802.D
 Acq On : 22 Sep 2020 10:49
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:04:53 PM

Quant Time: Sep 22 12:55:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	392580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	656995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	597146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	22603	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	
35) Dibromofluoromethane	7.91	113	23112	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
50) Toluene-d8	10.34	98	73081	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
62) 4-Bromofluorobenzene	12.63	95	25934	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	20404	6.292	ug/l 96
3) Chloromethane	2.21	50	21350	5.144	ug/l # 83
4) Vinyl Chloride	2.35	62	21124	4.898	ug/l 96
5) Bromomethane	2.77	94	14549	4.768	ug/l 96
6) Chloroethane	2.93	64	12609	4.731	ug/l # 83
7) Trichlorofluoromethane	3.27	101	42925	5.622	ug/l 84
8) Diethyl Ether	3.71	74	9774	5.063	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	4.10	101	25585	6.064	ug/l # 88
10) Methyl Iodide	4.30	142	16664	4.226	ug/l 99
11) Tert butyl alcohol	5.20	59	13758	33.001	ug/l # 77
12) 1,1-Dichloroethene	4.07	96	20970	5.358	ug/l 91
13) Acrolein	3.92	56	7072	24.134	ug/l 87
14) Allyl chloride	4.71	41	28181	4.549	ug/l 97
15) Acrylonitrile	5.43	53	21755	25.662	ug/l 99
16) Acetone	4.16	43	24183	28.144	ug/l 93
17) Carbon Disulfide	4.41	76	60295	4.942	ug/l 98
18) Methyl Acetate	4.73	43	14958	7.267	ug/l 99
19) Methyl tert-butyl Ether	5.48	73	40519	4.662	ug/l 98
20) Methylene Chloride	4.97	84	39646	6.906	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	23853	5.249	ug/l 93
22) Diisopropyl ether	6.37	45	54504	4.322	ug/l 94
23) Vinyl Acetate	6.30	43	90680	13.052	ug/l 97
24) 1,1-Dichloroethane	6.26	63	43441	5.382	ug/l 97
25) 2-Butanone	7.21	43	26579	24.301	ug/l # 85
26) 2,2-Dichloropropane	7.20	77	41517	5.582	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	23528	4.734	ug/l 82
28) Bromochloromethane	7.54	49	15074	4.867	ug/l 92
29) Tetrahydrofuran	7.56	42	16901	25.187	ug/l 97
30) Chloroform	7.71	83	47364	5.522	ug/l 97
31) Cyclohexane	7.98	56	41823	5.735	ug/l # 73
32) 1,1,1-Trichloroethane	7.90	97	42241	5.383	ug/l 99
36) 1,1-Dichloropropene	8.11	75	34157	5.075	ug/l 95
37) Ethyl Acetate	7.30	43	12227	4.804	ug/l 98
38) Carbon Tetrachloride	8.10	117	38744	5.408	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	35644	4.632	ug/l	87
40) Benzene	8.34	78	93475	5.107	ug/l #	86
41) Methacrylonitrile	7.51	41	6293	4.575	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	29208	5.201	ug/l	99
43) Isopropyl Acetate	8.44	43	23450	4.884	ug/l	97
44) Trichloroethene	9.11	130	27608	5.596	ug/l	91
45) 1,2-Dichloropropane	9.38	63	24045	5.292	ug/l	100
46) Dibromomethane	9.47	93	12179	4.867	ug/l	90
47) Bromodichloromethane	9.66	83	34739	5.134	ug/l	98
48) Methyl methacrylate	9.45	41	11291	4.699	ug/l	87
49) 1,4-Dioxane	9.47	88	3983	148.312	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	58961	23.869	ug/l	97
52) Toluene	10.40	92	57671	4.917	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	26824	4.453	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	33619	4.698	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	18610	5.613	ug/l #	90
56) Ethyl methacrylate	10.65	69	16647	4.483	ug/l #	94
57) 1,3-Dichloropropane	10.94	76	28205	4.911	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	41357	25.014	ug/l	92
59) 2-Hexanone	10.98	43	36363	21.906	ug/l	98
60) Dibromochloromethane	11.14	129	24146	5.623	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15912	5.031	ug/l	96
64) Tetrachloroethene	10.87	164	24448	5.954	ug/l	94
65) Chlorobenzene	11.67	112	66236	5.370	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	24534	5.345	ug/l	98
67) Ethyl Benzene	11.74	91	105899	4.754	ug/l	99
68) m/p-Xylenes	11.85	106	78379	9.284	ug/l	99
69) o-Xylene	12.18	106	34942	4.670	ug/l	99
70) Styrene	12.20	104	60923	4.637	ug/l	97
71) Bromoform	12.36	173	12301	5.323	ug/l #	95
73) Isopropylbenzene	12.48	105	93971	4.527	ug/l	94
74) N-amyl acetate	12.28	43	18719	4.293	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	18425	5.166	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	14284m	5.944	ug/l	
77) Bromobenzene	12.76	156	23927	4.954	ug/l	95
78) n-propylbenzene	12.82	91	116598	4.619	ug/l	97
79) 2-Chlorotoluene	12.91	91	69238	4.852	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	78498	4.479	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4139	3.788	ug/l	88
82) 4-Chlorotoluene	13.00	91	71425	4.721	ug/l	100
83) tert-Butylbenzene	13.23	119	66371	4.584	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	79217	4.520	ug/l	98
85) sec-Butylbenzene	13.40	105	96484	4.658	ug/l	98
86) p-Isopropyltoluene	13.52	119	83288	4.426	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	50123	5.432	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	53078	5.771	ug/l	97
89) n-Butylbenzene	13.84	91	84798	4.757	ug/l	95
90) Hexachloroethane	14.11	117	19198	4.989	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	42121	5.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3139	5.502	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	23994	5.010	ug/l	99
94) Hexachlorobutadiene	15.27	225	16127	5.581	ug/l	98
95) Naphthalene	15.41	128	37566	4.450	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	20566	4.877	ug/l	97

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

