

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067431.D
 Acq On : 28 Oct 2020 13:58
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 12:00:56 PM

Quant Time: Oct 29 01:41:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	313742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	464035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	432442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	152582	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.92	113	155866	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	573975	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.64	95	196254	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55364	19.299	ug/l	96
3) Chloromethane	2.21	50	38915	19.708	ug/l	100
4) Vinyl Chloride	2.35	62	40895	18.876	ug/l	100
5) Bromomethane	2.76	94	32246	19.978	ug/l	92
6) Chloroethane	2.91	64	25360	18.796	ug/l	99
7) Trichlorofluoromethane	3.27	101	114835	21.050	ug/l	96
8) Diethyl Ether	3.71	74	24528	19.649	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61035	21.058	ug/l	98
10) Methyl Iodide	4.30	142	50758	18.984	ug/l	94
11) Tert butyl alcohol	5.20	59	22530m	112.852	ug/l	
12) 1,1-Dichloroethene	4.07	96	52896	20.428	ug/l	99
13) Acrolein	3.91	56	9593	68.304	ug/l	95
14) Allyl chloride	4.72	41	60179	20.294	ug/l	99
15) Acrylonitrile	5.43	53	43422	104.246	ug/l	98
16) Acetone	4.16	43	43875	99.669	ug/l	94
17) Carbon Disulfide	4.40	76	142016	19.239	ug/l	99
18) Methyl Acetate	4.72	43	20118	20.037	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	106521	20.689	ug/l	97
20) Methylene Chloride	4.97	84	68020	21.570	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	60002	20.136	ug/l	94
22) Diisopropyl ether	6.37	45	119070	21.981	ug/l	93
23) Vinyl Acetate	6.31	43	325549	105.636	ug/l	100
24) 1,1-Dichloroethane	6.26	63	100051	21.577	ug/l	98
25) 2-Butanone	7.21	43	52619	104.862	ug/l	90
26) 2,2-Dichloropropane	7.21	77	99109	20.737	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	69044	21.142	ug/l	99
28) Bromochloromethane	7.55	49	30388	19.213	ug/l #	94
29) Tetrahydrofuran	7.57	42	28837	103.382	ug/l	94
30) Chloroform	7.71	83	119600	21.591	ug/l	96
31) Cyclohexane	7.99	56	71569	19.769	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	121247	22.309	ug/l	98
36) 1,1-Dichloropropene	8.11	75	85378	21.708	ug/l	99
37) Ethyl Acetate	7.29	43	25588	22.113	ug/l	94
38) Carbon Tetrachloride	8.10	117	107756	21.437	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85566	20.811	ug/l	95
40) Benzene	8.36	78	233991	21.686	ug/l	99
41) Methacrylonitrile	7.53	41	15033	24.041	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	74038	21.927	ug/l	98
43) Isopropyl Acetate	8.46	43	48706	21.212	ug/l	98
44) Trichloroethene	9.11	130	72325	20.936	ug/l	91
45) 1,2-Dichloropropane	9.39	63	54825	21.925	ug/l	99
46) Dibromomethane	9.48	93	33955	21.794	ug/l	96
47) Bromodichloromethane	9.67	83	90019	21.565	ug/l	97
48) Methyl methacrylate	9.46	41	22814	20.446	ug/l	99
49) 1,4-Dioxane	9.47	88	6766	431.488	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	122899	107.314	ug/l	100
52) Toluene	10.41	92	168015	22.863	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	77784	21.213	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	93433	21.772	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	48453	22.806	ug/l	95
56) Ethyl methacrylate	10.66	69	46941	21.304	ug/l	99
57) 1,3-Dichloropropane	10.95	76	74546	22.048	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	117170	103.659	ug/l	97
59) 2-Hexanone	10.99	43	84127	107.501	ug/l	99
60) Dibromochloromethane	11.14	129	68185	22.007	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45240	21.599	ug/l	99
64) Tetrachloroethene	10.88	164	68373	21.822	ug/l	96
65) Chlorobenzene	11.67	112	182972	22.065	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	74339	22.555	ug/l	98
67) Ethyl Benzene	11.75	91	315883	22.222	ug/l	97
68) m/p-Xylenes	11.86	106	244613	44.687	ug/l	98
69) o-Xylene	12.18	106	109933	21.688	ug/l	95
70) Styrene	12.20	104	192318	22.040	ug/l	99
71) Bromoform	12.37	173	38043	21.486	ug/l #	100
73) Isopropylbenzene	12.48	105	313530	22.371	ug/l	100
74) N-amyl acetate	12.29	43	44329	20.943	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	44175	20.571	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	29088m	19.005	ug/l	
77) Bromobenzene	12.77	156	75624	21.644	ug/l	98
78) n-propylbenzene	12.83	91	358155	22.057	ug/l	100
79) 2-Chlorotoluene	12.91	91	206880	21.969	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	269189	22.103	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14197	21.035	ug/l	99
82) 4-Chlorotoluene	13.01	91	218719	21.884	ug/l	99
83) tert-Butylbenzene	13.23	119	226987	22.064	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	267717	22.241	ug/l	99
85) sec-Butylbenzene	13.41	105	313464	22.206	ug/l	100
86) p-Isopropyltoluene	13.52	119	291795	21.900	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	151012	22.455	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	148176	22.239	ug/l	99
89) n-Butylbenzene	13.85	91	255791	21.822	ug/l	100
90) Hexachloroethane	14.11	117	51424	22.117	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	128000	21.787	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7595	19.468	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86259	21.776	ug/l	98
94) Hexachlorobutadiene	15.27	225	55459	22.546	ug/l	98
95) Naphthalene	15.40	128	133830	20.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	74773	21.850	ug/l	100

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

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