

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067405.D
 Acq On : 27 Oct 2020 12:17
 Operator : VA/SY
 Sample : VD1027SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:45:24 AM

Quant Time: Oct 28 01:57:22 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	7.98	168	302199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	446531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	145533	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.91	113	153875	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.34	98	551751	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.64	95	192541	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52816	19.068	ug/l	100
3) Chloromethane	2.21	50	35104	18.457	ug/l	98
4) Vinyl Chloride	2.35	62	40439	19.379	ug/l	96
5) Bromomethane	2.76	94	30943	19.894	ug/l	97
6) Chloroethane	2.92	64	25093	19.308	ug/l	96
7) Trichlorofluoromethane	3.27	101	113230	21.548	ug/l	94
8) Diethyl Ether	3.70	74	24719	20.558	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	60170	21.553	ug/l	99
10) Methyl Iodide	4.30	142	50552	19.629	ug/l	98
11) Tert butyl alcohol	5.23	59	18488	87.886	ug/l	100
12) 1,1-Dichloroethene	4.06	96	51056	20.471	ug/l	87
13) Acrolein	3.92	56	7599	60.021	ug/l	88
14) Allyl chloride	4.71	41	57115	19.997	ug/l	99
15) Acrylonitrile	5.42	53	42044	104.793	ug/l	99
16) Acetone	4.16	43	41885	98.782	ug/l	100
17) Carbon Disulfide	4.40	76	138503	19.480	ug/l	99
18) Methyl Acetate	4.72	43	18493	19.122	ug/l #	75
19) Methyl tert-butyl Ether	5.47	73	96096	19.377	ug/l	98
20) Methylene Chloride	4.96	84	64049	20.976	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	60107	20.942	ug/l	95
22) Diisopropyl ether	6.37	45	112276	21.519	ug/l	95
23) Vinyl Acetate	6.31	43	297378	100.181	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94620	21.185	ug/l	94
25) 2-Butanone	7.21	43	48487	100.318	ug/l	95
26) 2,2-Dichloropropane	7.21	77	100087	21.741	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	65022	20.671	ug/l	95
28) Bromochloromethane	7.54	49	30223	19.839	ug/l	98
29) Tetrahydrofuran	7.57	42	27608	102.756	ug/l	97
30) Chloroform	7.71	83	117744	22.068	ug/l	91
31) Cyclohexane	7.98	56	71197	20.417	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	115695	22.100	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82216	21.724	ug/l	99
37) Ethyl Acetate	7.30	43	22259	19.990	ug/l	96
38) Carbon Tetrachloride	8.10	117	109016	22.537	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81291	20.546	ug/l	97
40) Benzene	8.36	78	226853	21.849	ug/l	97
41) Methacrylonitrile	7.52	41	10666	17.726	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	71413	21.978	ug/l	100
43) Isopropyl Acetate	8.46	43	45066	20.397	ug/l	99
44) Trichloroethene	9.11	130	74193	22.318	ug/l	85
45) 1,2-Dichloropropane	9.40	63	51529	21.414	ug/l	89
46) Dibromomethane	9.48	93	31981	21.331	ug/l	98
47) Bromodichloromethane	9.67	83	87982	21.904	ug/l	97
48) Methyl methacrylate	9.46	41	21824	20.325	ug/l	97
49) 1,4-Dioxane	9.47	88	6672	442.948	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	113406	102.907	ug/l	97
52) Toluene	10.41	92	156326	22.106	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	73799	20.915	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	87826	21.268	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	45419	22.216	ug/l	93
56) Ethyl methacrylate	10.67	69	44527	21.001	ug/l	99
57) 1,3-Dichloropropane	10.95	76	68913	21.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	111368	102.388	ug/l	100
59) 2-Hexanone	10.99	43	76609	101.732	ug/l	100
60) Dibromochloromethane	11.14	129	65703	22.037	ug/l	97
61) 1,2-Dibromoethane	11.25	107	43681	21.672	ug/l	97
64) Tetrachloroethene	10.88	164	64889	21.465	ug/l	93
65) Chlorobenzene	11.67	112	174078	21.757	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	73066	22.977	ug/l	97
67) Ethyl Benzene	11.75	91	295962	21.579	ug/l	97
68) m/p-Xylenes	11.86	106	241467	45.719	ug/l	95
69) o-Xylene	12.18	106	107385	21.957	ug/l	94
70) Styrene	12.20	104	187808	22.307	ug/l	100
71) Bromoform	12.37	173	37860	22.162	ug/l #	100
73) Isopropylbenzene	12.48	105	302179	21.975	ug/l	99
74) N-amyl acetate	12.29	43	42851	20.633	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	43026	20.421	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	26516m	17.658	ug/l	
77) Bromobenzene	12.77	156	74486	21.727	ug/l	99
78) n-propylbenzene	12.83	91	346167	21.728	ug/l	100
79) 2-Chlorotoluene	12.91	91	198301	21.463	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	263449	22.047	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13596	20.532	ug/l	97
82) 4-Chlorotoluene	13.01	91	214601	21.884	ug/l	99
83) tert-Butylbenzene	13.23	119	226673	22.457	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	262898	22.260	ug/l	99
85) sec-Butylbenzene	13.41	105	298866	21.578	ug/l	98
86) p-Isopropyltoluene	13.52	119	285312	21.825	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	146629	22.221	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144044	22.033	ug/l	100
89) n-Butylbenzene	13.85	91	249184	21.667	ug/l	99
90) Hexachloroethane	14.12	117	49223	21.577	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	121472	21.073	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7687	20.083	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	80512	20.716	ug/l	99
94) Hexachlorobutadiene	15.27	225	53843	22.309	ug/l	98
95) Naphthalene	15.41	128	126319	19.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72268	21.524	ug/l	96

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

