

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065530.D
 Acq On : 26 Mar 2020 17:30
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:12:25 AM

Quant Time: Mar 27 01:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	553840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	783701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	724453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	362948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	442478	93.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.60%	
35) Dibromofluoromethane	7.92	113	478970	99.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.76%	
50) Toluene-d8	10.34	98	1871817	101.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.06%	
62) 4-Bromofluorobenzene	12.64	95	604344	105.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	290995	64.593	ug/l	99
3) Chloromethane	2.21	50	414758	74.508	ug/l	99
4) Vinyl Chloride	2.35	62	463752	84.174	ug/l	99
5) Bromomethane	2.76	94	318274	88.528	ug/l	96
6) Chloroethane	2.92	64	302351	88.797	ug/l	99
7) Trichlorofluoromethane	3.27	101	698106	85.405	ug/l	99
8) Diethyl Ether	3.71	74	232776	94.559	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	462527	87.236	ug/l	99
10) Methyl Iodide	4.30	142	638238	114.538	ug/l	98
11) Tert butyl alcohol	5.24	59	122693	453.299	ug/l	100
12) 1,1-Dichloroethene	4.06	96	454688	89.829	ug/l	98
13) Acrolein	3.93	56	224112	472.352	ug/l	98
14) Allyl chloride	4.71	41	729758	94.145	ug/l	98
15) Acrylonitrile	5.43	53	511943	480.862	ug/l	99
16) Acetone	4.17	43	402592	424.629	ug/l	97
17) Carbon Disulfide	4.40	76	1467193	87.369	ug/l	99
18) Methyl Acetate	4.73	43	223469	92.629	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1023542	104.333	ug/l	97
20) Methylene Chloride	4.96	84	507354	85.847	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	530611	94.042	ug/l	96
22) Diisopropyl ether	6.37	45	1455921	100.200	ug/l	98
23) Vinyl Acetate	6.31	43	4250930	527.746	ug/l	99
24) 1,1-Dichloroethane	6.27	63	863493	93.001	ug/l	99
25) 2-Butanone	7.22	43	615133	475.507	ug/l	98
26) 2,2-Dichloropropane	7.21	77	751142	92.054	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	570501	98.740	ug/l	99
28) Bromochloromethane	7.55	49	366023	97.493	ug/l	98
29) Tetrahydrofuran	7.57	42	410824	497.396	ug/l	99
30) Chloroform	7.71	83	890790	95.585	ug/l	97
31) Cyclohexane	7.98	56	811205	87.728	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	794129	92.356	ug/l	99
36) 1,1-Dichloropropene	8.11	75	711484	96.127	ug/l	100
37) Ethyl Acetate	7.30	43	293007	101.795	ug/l	98
38) Carbon Tetrachloride	8.10	117	735976	95.583	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	908573	102.088	ug/l	99
40) Benzene	8.36	78	2030341	97.917	ug/l	99
41) Methacrylonitrile	7.53	41	185416	118.947	ug/l	90
42) 1,2-Dichloroethane	8.43	62	534487	98.077	ug/l	100
43) Isopropyl Acetate	8.46	43	539561	101.814	ug/l	99
44) Trichloroethene	9.11	130	580461	98.875	ug/l	99
45) 1,2-Dichloropropane	9.39	63	496355	98.637	ug/l	94
46) Dibromomethane	9.48	93	263667	100.867	ug/l	99
47) Bromodichloromethane	9.67	83	686103	100.857	ug/l	100
48) Methyl methacrylate	9.46	41	261655	104.577	ug/l	99
49) 1,4-Dioxane	9.47	88	62748	2084.895	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1393987	520.996	ug/l	99
52) Toluene	10.41	92	1331968	101.782	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	671163	105.468	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	812348	105.559	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	373146	100.228	ug/l	99
56) Ethyl methacrylate	10.67	69	476816	113.756	ug/l	98
57) 1,3-Dichloropropane	10.95	76	638833	101.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	1194511	779.748	ug/l	100
59) 2-Hexanone	10.99	43	966095	523.066	ug/l	99
60) Dibromochloromethane	11.14	129	495317	103.588	ug/l	98
61) 1,2-Dibromoethane	11.25	107	367385	103.071	ug/l	99
64) Tetrachloroethene	10.88	164	506529	98.178	ug/l	97
65) Chlorobenzene	11.67	112	1400758	98.444	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	528442	101.397	ug/l	98
67) Ethyl Benzene	11.75	91	2499479	102.033	ug/l	100
68) m/p-Xylenes	11.86	106	1961182	207.442	ug/l	99
69) o-Xylene	12.18	106	894230	107.473	ug/l	99
70) Styrene	12.20	104	1556900	105.956	ug/l	100
71) Bromoform	12.37	173	298179	101.630	ug/l #	99
73) Isopropylbenzene	12.48	105	2385990	102.023	ug/l	100
74) N-amyl acetate	12.30	43	501367	104.594	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	384308	93.011	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	266320m	92.287	ug/l	
77) Bromobenzene	12.77	156	594404	101.263	ug/l	99
78) n-propylbenzene	12.83	91	2812894	101.011	ug/l	100
79) 2-Chlorotoluene	12.91	91	1559099	99.132	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1969087	102.329	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	134876	100.764	ug/l	99
82) 4-Chlorotoluene	13.01	91	1623503	98.320	ug/l	99
83) tert-Butylbenzene	13.23	119	1680886	103.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1957195	102.922	ug/l	99
85) sec-Butylbenzene	13.41	105	2361826	101.822	ug/l	100
86) p-Isopropyltoluene	13.53	119	2195518	103.605	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1113437	98.626	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1093486	97.297	ug/l	99
89) n-Butylbenzene	13.85	91	1979304	101.461	ug/l	98
90) Hexachloroethane	14.12	117	423019	96.854	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	957566	99.661	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	60256	95.423	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	701069	107.471	ug/l	99
94) Hexachlorobutadiene	15.28	225	432281	101.492	ug/l	99
95) Naphthalene	15.41	128	1173188	112.840	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	612456	108.679	ug/l	98

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

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